FIG. 1

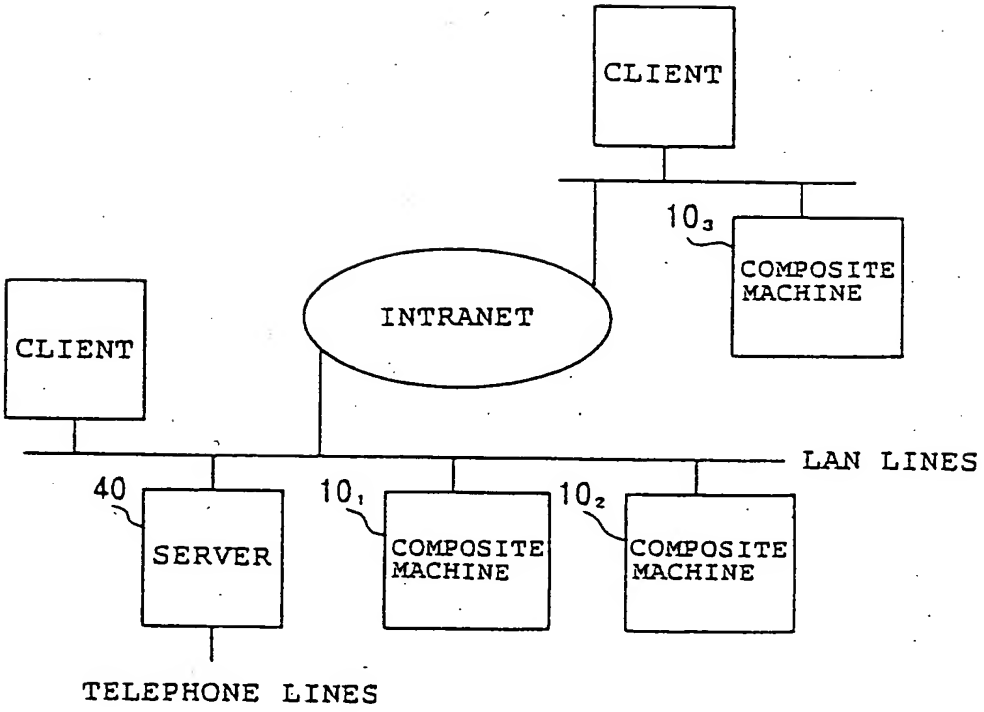

CLIENT
10_3
COMPOSITE MACHINE
INTRANET
CLIENT
LAN LINES
40
SERVER
10_1
COMPOSITE MACHINE
10_2
COMPOSITE MACHINE
TELEPHONE LINES

FIG. 2

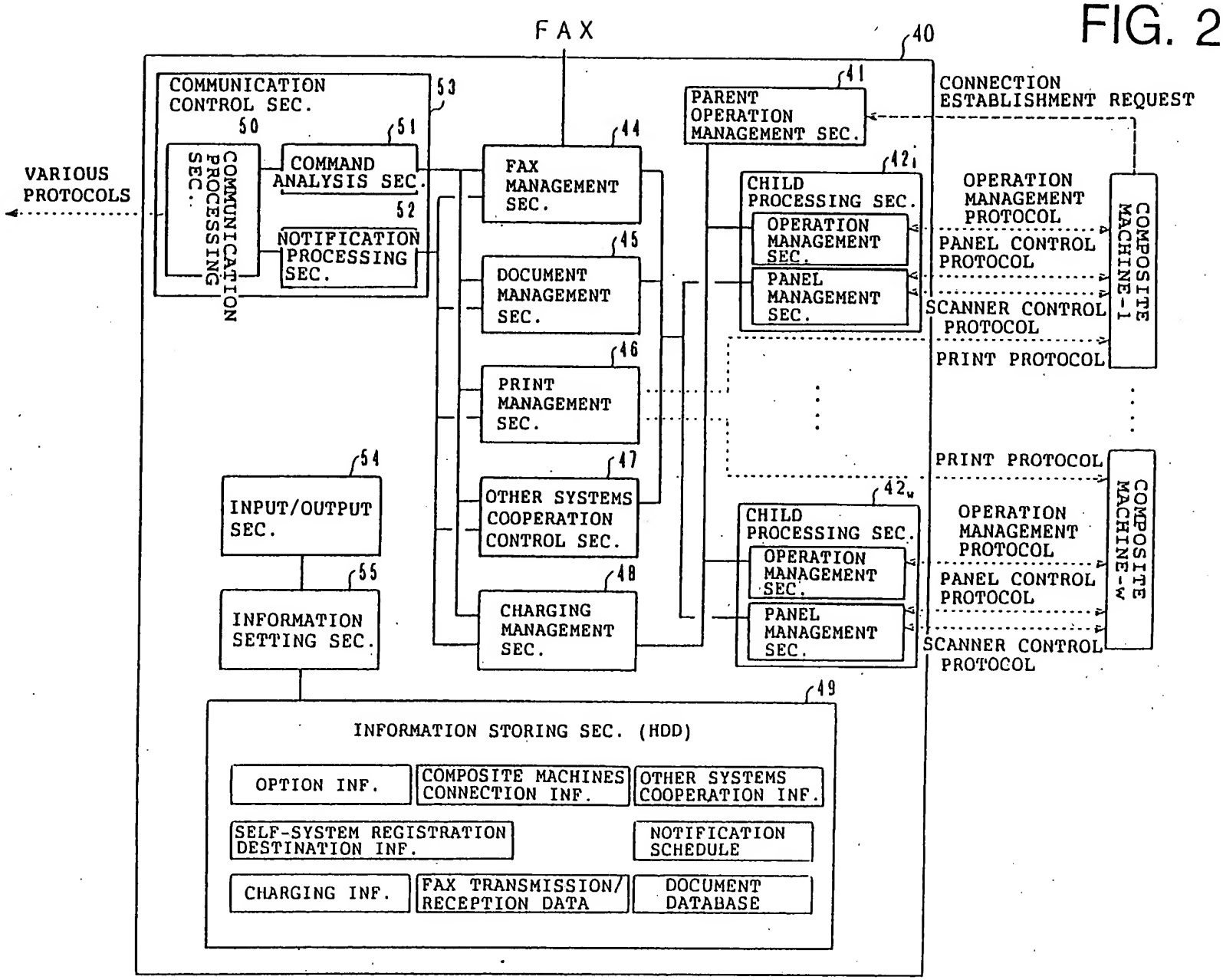

FAX
40
COMMUNICATION CONTROL SEC.
53
50
51
COMMUNICATION PROCESSING SEC.
COMMAND ANALYSIS SEC.
52
NOTIFICATION PROCESSING SEC.
VARIOUS PROTOCOLS
44
FAX MANAGEMENT SEC.
45
DOCUMENT MANAGEMENT SEC.
46
PRINT MANAGEMENT SEC.
47
OTHER SYSTEMS COOPERATION CONTROL SEC.
48
CHARGING MANAGEMENT SEC.
54
INPUT/OUTPUT SEC.
55
INFORMATION SETTING SEC.
49
INFORMATION STORING SEC. (HDD)
OPTION INF.
COMPOSITE MACHINES CONNECTION INF.
OTHER SYSTEMS COOPERATION INF.
SELF-SYSTEM REGISTRATION DESTINATION INF.
NOTIFICATION SCHEDULE
CHARGING INF.
FAX TRANSMISSION/ RECEPTION DATA
DOCUMENT DATABASE
41
PARENT OPERATION MANAGEMENT SEC.
42₁
CHILD PROCESSING SEC.
OPERATION MANAGEMENT SEC.
PANEL MANAGEMENT SEC.
42w
CHILD PROCESSING SEC.
OPERATION MANAGEMENT SEC.
PANEL MANAGEMENT SEC.
CONNECTION ESTABLISHMENT REQUEST
OPERATION MANAGEMENT PROTOCOL
PANEL CONTROL PROTOCOL
SCANNER CONTROL PROTOCOL
PRINT PROTOCOL
COMPOSITE MACHINE-1
PRINT PROTOCOL
OPERATION MANAGEMENT PROTOCOL
PANEL CONTROL PROTOCOL
SCANNER CONTROL PROTOCOL
COMPOSITE MACHINE-w

FIG. 3

FUNCTION	EFFECTIVE/ UNEFFECTIVE
FAX MANAGEMENT FUNCTION	EFFECTIVE
DOCUMENT MANAGEMENT FUNCTION	EFFECTIVE

FIG. 4

MAXIMUM CONNECTION NUMBER	
COMPOSITE MACHINE IDENTIFICATION INF.-1	CONNECTION STATUS INF. (CONNECTED/UNCONNECTED)
COMPOSITE MACHINE IDENTIFICATION INF.-2	CONNECTION STATUS INF. (CONNECTED/UNCONNECTED)
COMPOSITE MACHINE IDENTIFICATION INF.-3	CONNECTION STATUS INF. (CONNECTED/UNCONNECTED)
COMPOSITE MACHINE IDENTIFICATION INF.-m	CONNECTION STATUS INF. (CONNECTED/UNCONNECTED)

FIG. 5

	TITLE INF.	ADDRESS	FOLDER	ACCESS USER	ACCESS PASSWORD	COOPERATION SCHEME
1						
2						
k						

FIG. 6

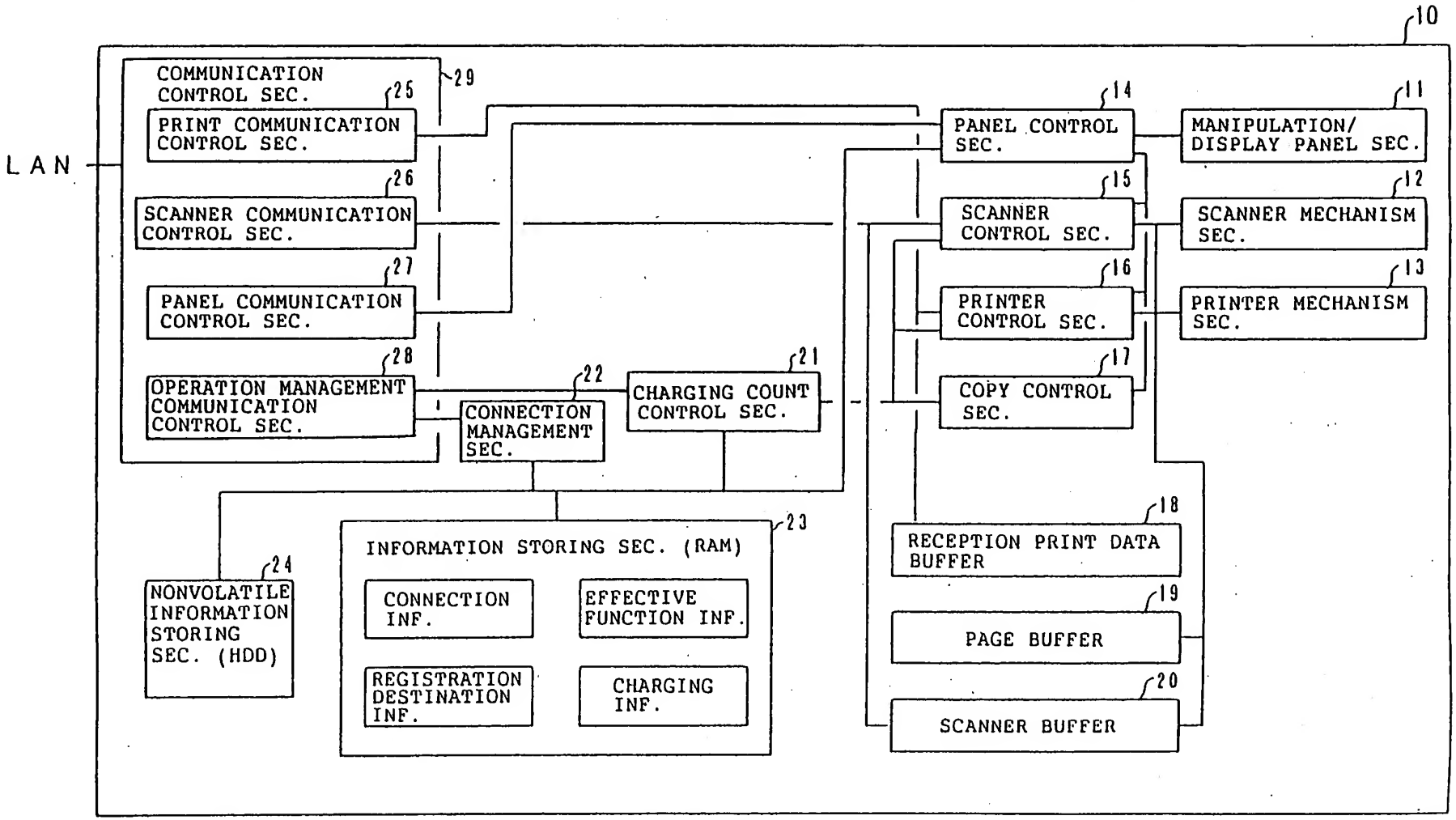

10
LAN
COMMUNICATION CONTROL SEC.
29
PRINT COMMUNICATION CONTROL SEC.
25
SCANNER COMMUNICATION CONTROL SEC.
26
PANEL COMMUNICATION CONTROL SEC.
27
OPERATION MANAGEMENT COMMUNICATION CONTROL SEC.
28
CONNECTION MANAGEMENT SEC.
22
CHARGING COUNT CONTROL SEC.
21
PANEL CONTROL SEC.
14
SCANNER CONTROL SEC.
15
PRINTER CONTROL SEC.
16
COPY CONTROL SEC.
17
MANIPULATION/ DISPLAY PANEL SEC.
11
SCANNER MECHANISM SEC.
12
PRINTER MECHANISM SEC.
13
INFORMATION STORING SEC. (RAM)
23
CONNECTION INF.
EFFECTIVE FUNCTION INF.
REGISTRATION DESTINATION INF.
CHARGING INF.
NONVOLATILE INFORMATION STORING SEC. (HDD)
24
RECEPTION PRINT DATA BUFFER
18
PAGE BUFFER
19
SCANNER BUFFER
20

FIG. 7

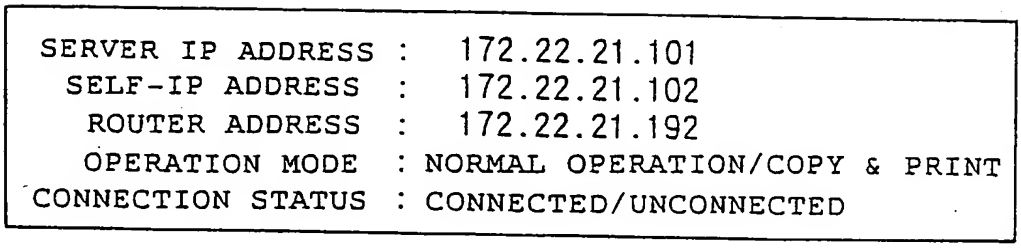

SERVER IP ADDRESS : 172.22.21.101
SELF-IP ADDRESS : 172.22.21.102
ROUTER ADDRESS : 172.22.21.192
OPERATION MODE : NORMAL OPERATION/COPY & PRINT
CONNECTION STATUS : CONNECTED/UNCONNECTED

FIG. 8

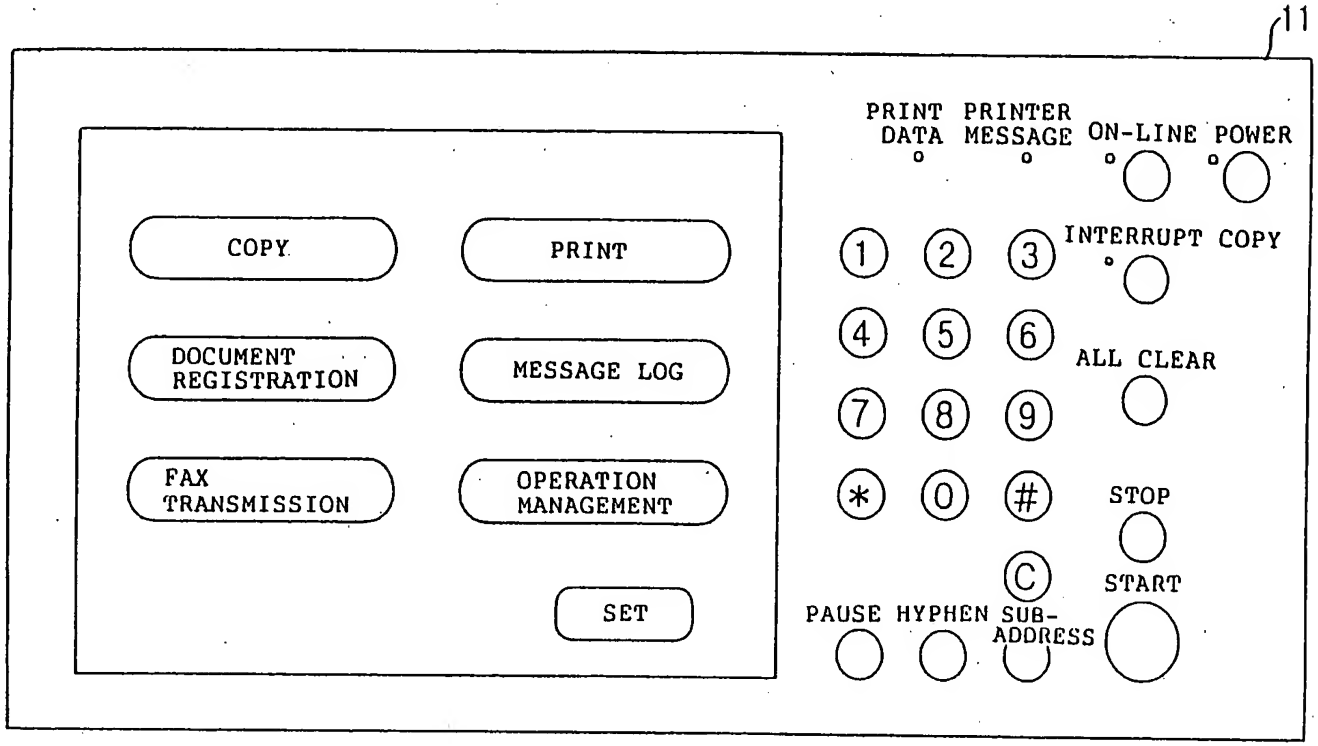

11
COPY
PRINT
DOCUMENT REGISTRATION
MESSAGE LOG
FAX TRANSMISSION
OPERATION MANAGEMENT
SET
PRINT DATA
PRINTER MESSAGE
ON-LINE
POWER
INTERRUPT COPY
ALL CLEAR
STOP
START
PAUSE
HYPHEN
SUB-ADDRESS
1
2
3
4
5
6
7
8
9
*
0
#
C

FIG. 9

FUNCTION	FUNCTION FLAG
COPY	USABLE (0xFF)/UNUSABLE (0x00)
PRINT	USABLE (0xFF)/UNUSABLE (0x00)
FAX TRANSMISSION	USABLE (0xFF)/UNUSABLE (0x00)
DOCUMENT REGISTRATION (SCANNER)	USABLE (0xFF)/UNUSABLE (0x00)

FIG. 10

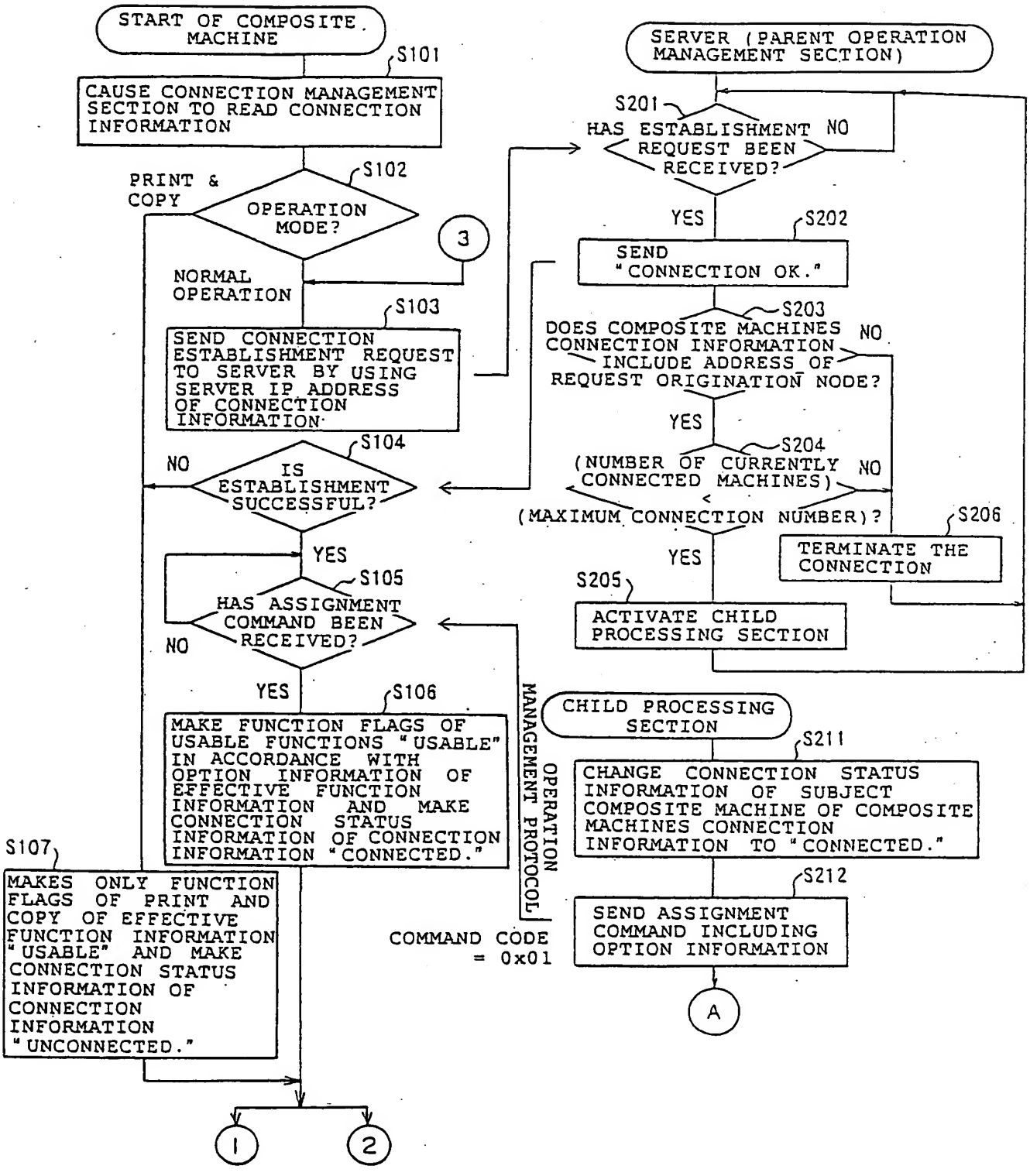

START OF COMPOSITE MACHINE
S101
CAUSE CONNECTION MANAGEMENT SECTION TO READ CONNECTION INFORMATION
S102
PRINT & COPY
OPERATION MODE?
NORMAL OPERATION
3
S103
SEND CONNECTION ESTABLISHMENT REQUEST TO SERVER BY USING SERVER IP ADDRESS OF CONNECTION INFORMATION
S104
NO
IS ESTABLISHMENT SUCCESSFUL?
YES
S105
HAS ASSIGNMENT COMMAND BEEN RECEIVED?
NO
YES
S106
MAKE FUNCTION FLAGS OF USABLE FUNCTIONS "USABLE" IN ACCORDANCE WITH OPTION INFORMATION OF EFFECTIVE FUNCTION INFORMATION AND MAKE CONNECTION STATUS INFORMATION OF CONNECTION INFORMATION "CONNECTED."
S107
MAKES ONLY FUNCTION FLAGS OF PRINT AND COPY OF EFFECTIVE FUNCTION INFORMATION "USABLE" AND MAKE CONNECTION STATUS INFORMATION OF CONNECTION INFORMATION "UNCONNECTED."
1
2
SERVER (PARENT OPERATION MANAGEMENT SECTION)
S201
HAS ESTABLISHMENT REQUEST BEEN RECEIVED?
NO
YES
S202
SEND "CONNECTION OK."
S203
DOES COMPOSITE MACHINES CONNECTION INFORMATION INCLUDE ADDRESS OF REQUEST ORIGINATION NODE?
NO
YES
S204
(NUMBER OF CURRENTLY CONNECTED MACHINES) < (MAXIMUM CONNECTION NUMBER)?
NO
YES
S206
TERMINATE THE CONNECTION
S205
ACTIVATE CHILD PROCESSING SECTION
CHILD PROCESSING SECTION
S211
CHANGE CONNECTION STATUS INFORMATION OF SUBJECT COMPOSITE MACHINE OF COMPOSITE MACHINES CONNECTION INFORMATION TO "CONNECTED."
S212
SEND ASSIGNMENT COMMAND INCLUDING OPTION INFORMATION
A
OPERATION MANAGEMENT PROTOCOL
COMMAND CODE = 0x01

FIG. 11

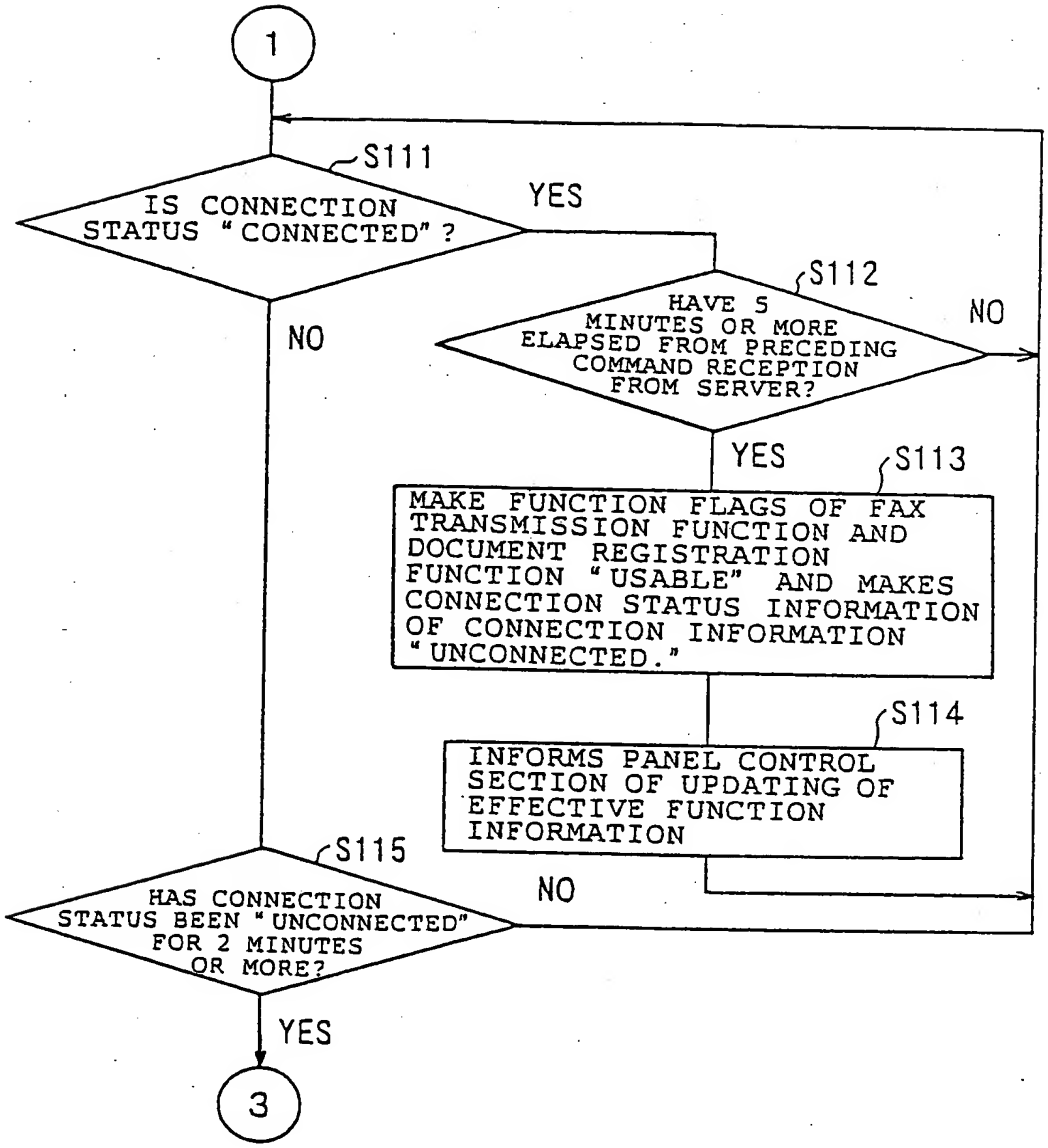

1
S111
IS CONNECTION STATUS "CONNECTED"?
YES
NO
S112
HAVE 5 MINUTES OR MORE ELAPSED FROM PRECEDING COMMAND RECEPTION FROM SERVER?
NO
YES
S113
MAKE FUNCTION FLAGS OF FAX TRANSMISSION FUNCTION AND DOCUMENT REGISTRATION FUNCTION "USABLE" AND MAKES CONNECTION STATUS INFORMATION OF CONNECTION INFORMATION "UNCONNECTED."
S114
INFORMS PANEL CONTROL SECTION OF UPDATING OF EFFECTIVE FUNCTION INFORMATION
S115
HAS CONNECTION STATUS BEEN "UNCONNECTED" FOR 2 MINUTES OR MORE?
NO
YES
3

FIG. 12

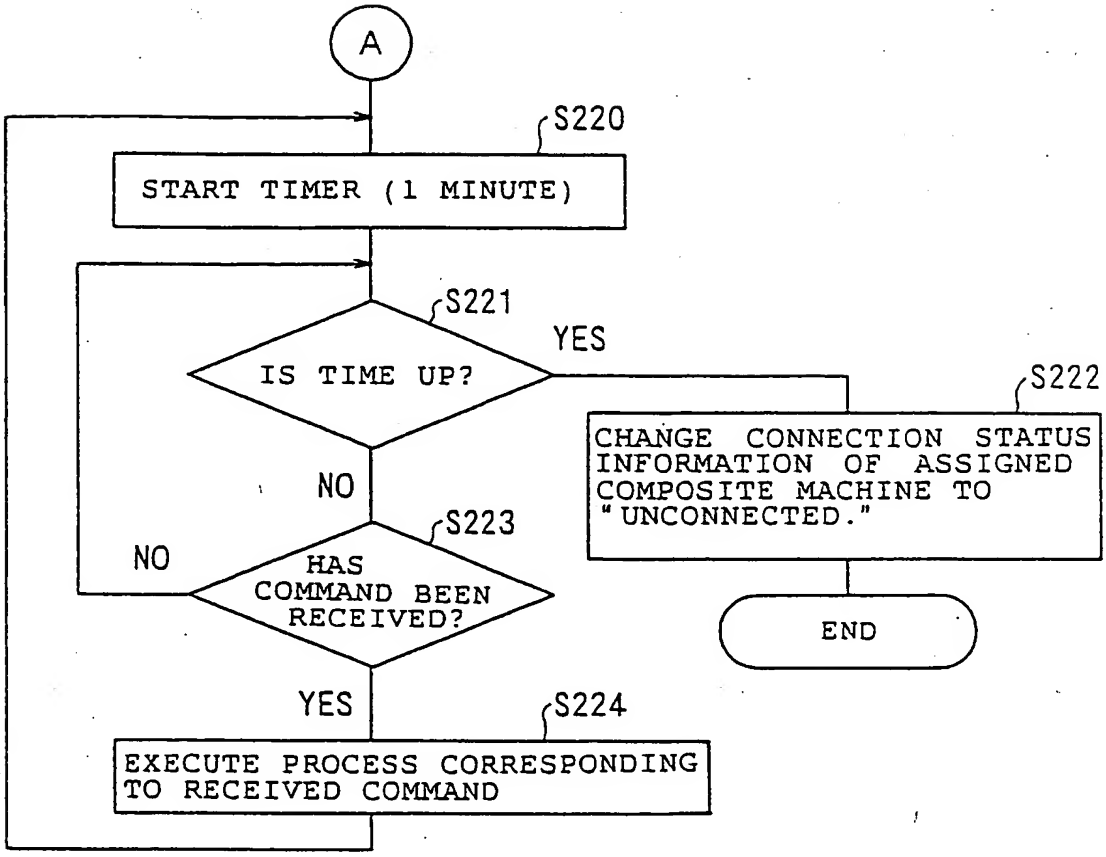

A
S220
START TIMER (1 MINUTE)
S221
IS TIME UP?
YES
S222
CHANGE CONNECTION STATUS INFORMATION OF ASSIGNED COMPOSITE MACHINE TO "UNCONNECTED."
END
NO
S223
HAS COMMAND BEEN RECEIVED?
NO
YES
S224
EXECUTE PROCESS CORRESPONDING TO RECEIVED COMMAND

FIG. 13

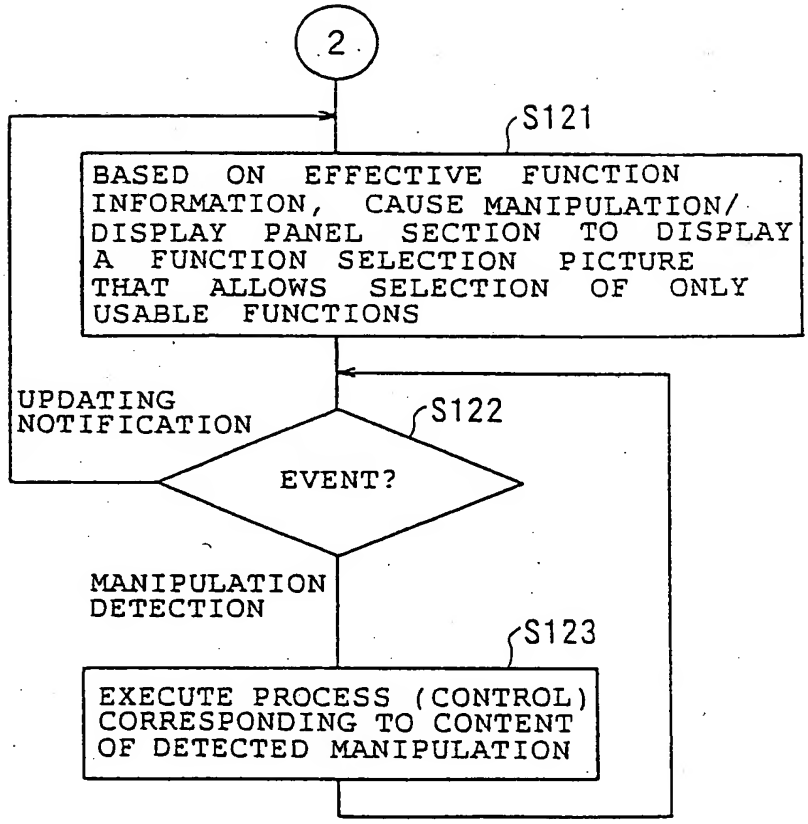
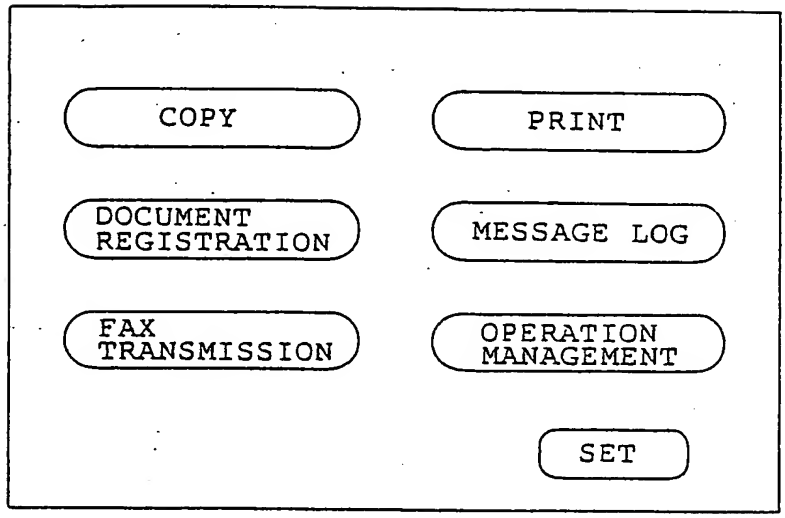

2
S121
BASED ON EFFECTIVE FUNCTION INFORMATION, CAUSE MANIPULATION/ DISPLAY PANEL SECTION TO DISPLAY A FUNCTION SELECTION PICTURE THAT ALLOWS SELECTION OF ONLY USABLE FUNCTIONS
UPDATING NOTIFICATION
S122
EVENT?
MANIPULATION DETECTION
S123
EXECUTE PROCESS (CONTROL) CORRESPONDING TO CONTENT OF DETECTED MANIPULATION

FIG. 14

(A)


COPY
PRINT
DOCUMENT REGISTRATION
MESSAGE LOG
FAX TRANSMISSION
OPERATION MANAGEMENT
SET

(B)

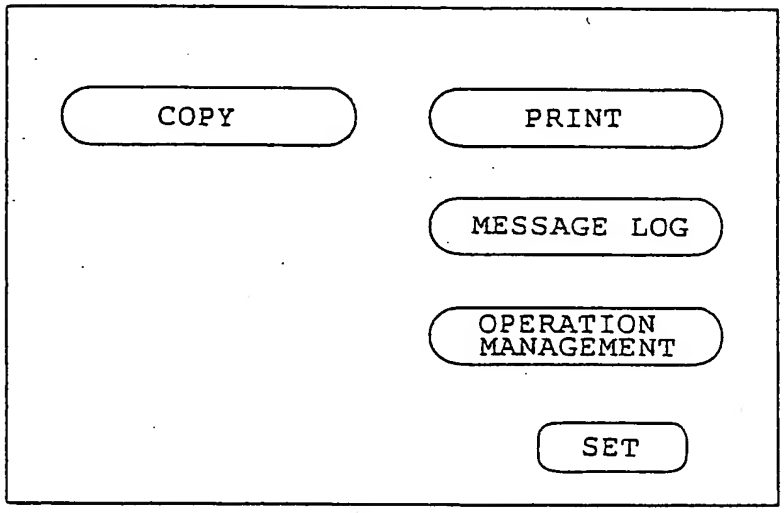

COPY
PRINT
MESSAGE LOG
OPERATION MANAGEMENT
SET

FIG. 15

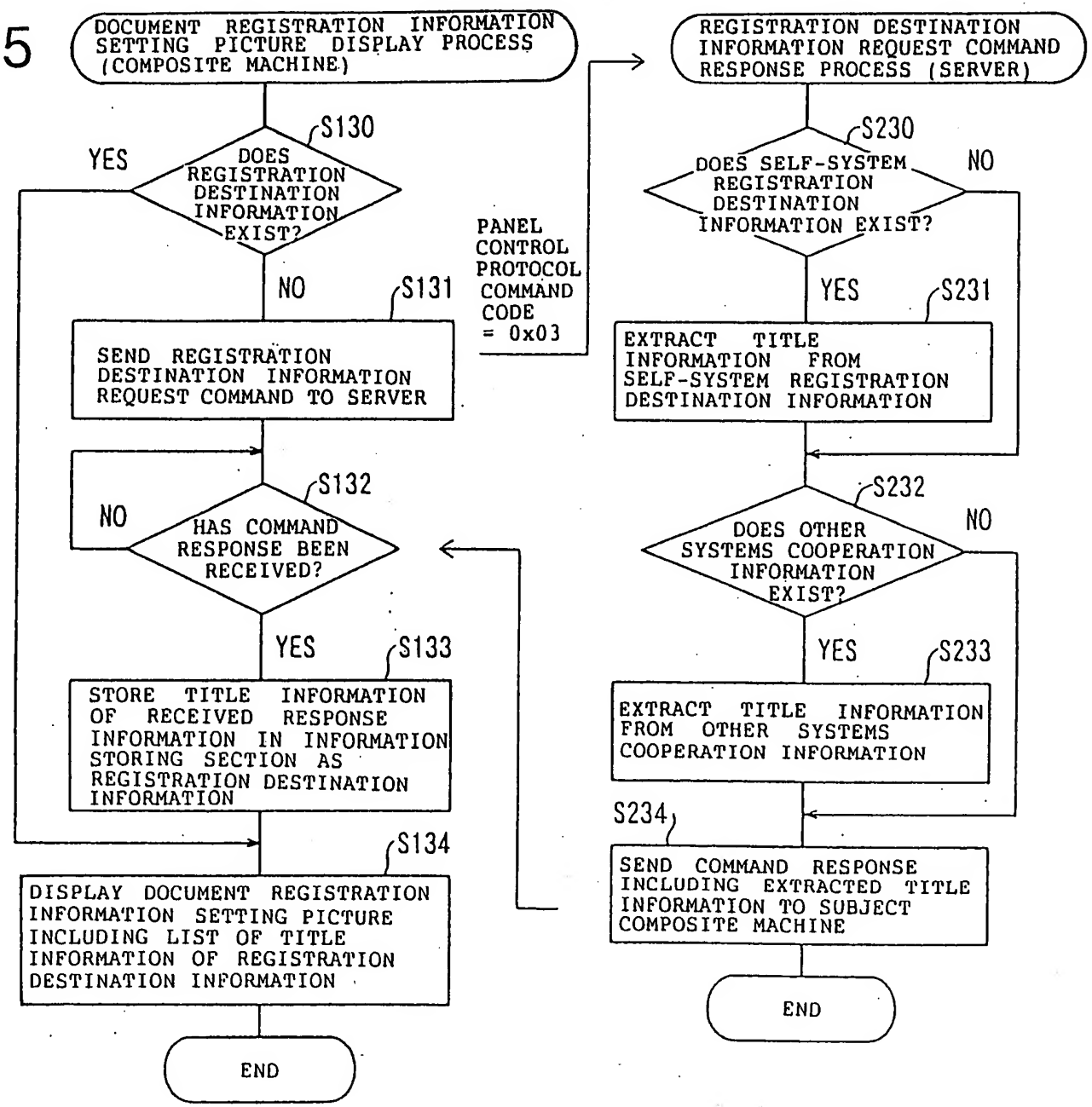
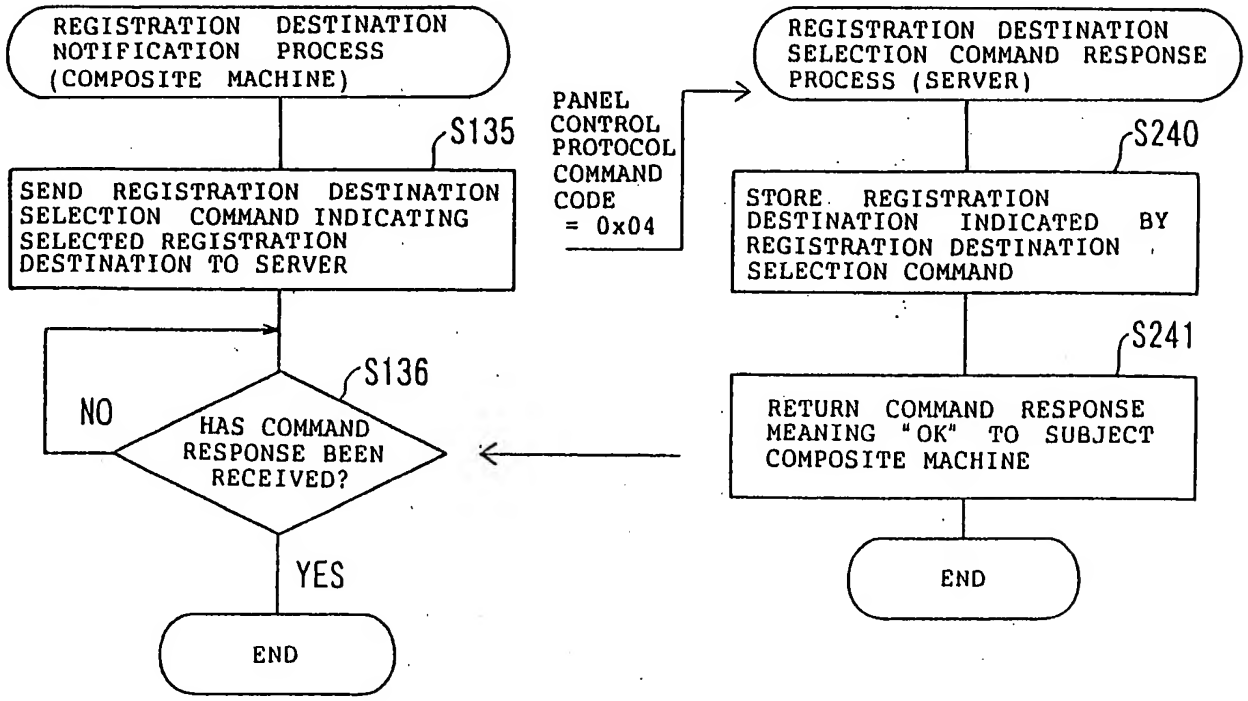

DOCUMENT REGISTRATION INFORMATION SETTING PICTURE DISPLAY PROCESS (COMPOSITE MACHINE)
S130
YES
DOES REGISTRATION DESTINATION INFORMATION EXIST?
NO
S131
SEND REGISTRATION DESTINATION INFORMATION REQUEST COMMAND TO SERVER
S132
NO
HAS COMMAND RESPONSE BEEN RECEIVED?
YES
S133
STORE TITLE INFORMATION OF RECEIVED RESPONSE INFORMATION IN INFORMATION STORING SECTION AS REGISTRATION DESTINATION INFORMATION
S134
DISPLAY DOCUMENT REGISTRATION INFORMATION SETTING PICTURE INCLUDING LIST OF TITLE INFORMATION OF REGISTRATION DESTINATION INFORMATION
END
PANEL CONTROL PROTOCOL COMMAND CODE = 0x03
REGISTRATION DESTINATION INFORMATION REQUEST COMMAND RESPONSE PROCESS (SERVER)
S230
DOES SELF-SYSTEM REGISTRATION DESTINATION INFORMATION EXIST?
NO
YES
S231
EXTRACT TITLE INFORMATION FROM SELF-SYSTEM REGISTRATION DESTINATION INFORMATION
S232
DOES OTHER SYSTEMS COOPERATION INFORMATION EXIST?
NO
YES
S233
EXTRACT TITLE INFORMATION FROM OTHER SYSTEMS COOPERATION INFORMATION
S234
SEND COMMAND RESPONSE INCLUDING EXTRACTED TITLE INFORMATION TO SUBJECT COMPOSITE MACHINE
END

FIG. 16


REGISTRATION DESTINATION NOTIFICATION PROCESS (COMPOSITE MACHINE)
S135
SEND REGISTRATION DESTINATION SELECTION COMMAND INDICATING SELECTED REGISTRATION DESTINATION TO SERVER
S136
NO
HAS COMMAND RESPONSE BEEN RECEIVED?
YES
END
PANEL CONTROL PROTOCOL COMMAND CODE = 0x04
REGISTRATION DESTINATION SELECTION COMMAND RESPONSE PROCESS (SERVER)
S240
STORE REGISTRATION DESTINATION INDICATED BY REGISTRATION DESTINATION SELECTION COMMAND
S241
RETURN COMMAND RESPONSE MEANING "OK" TO SUBJECT COMPOSITE MACHINE
END

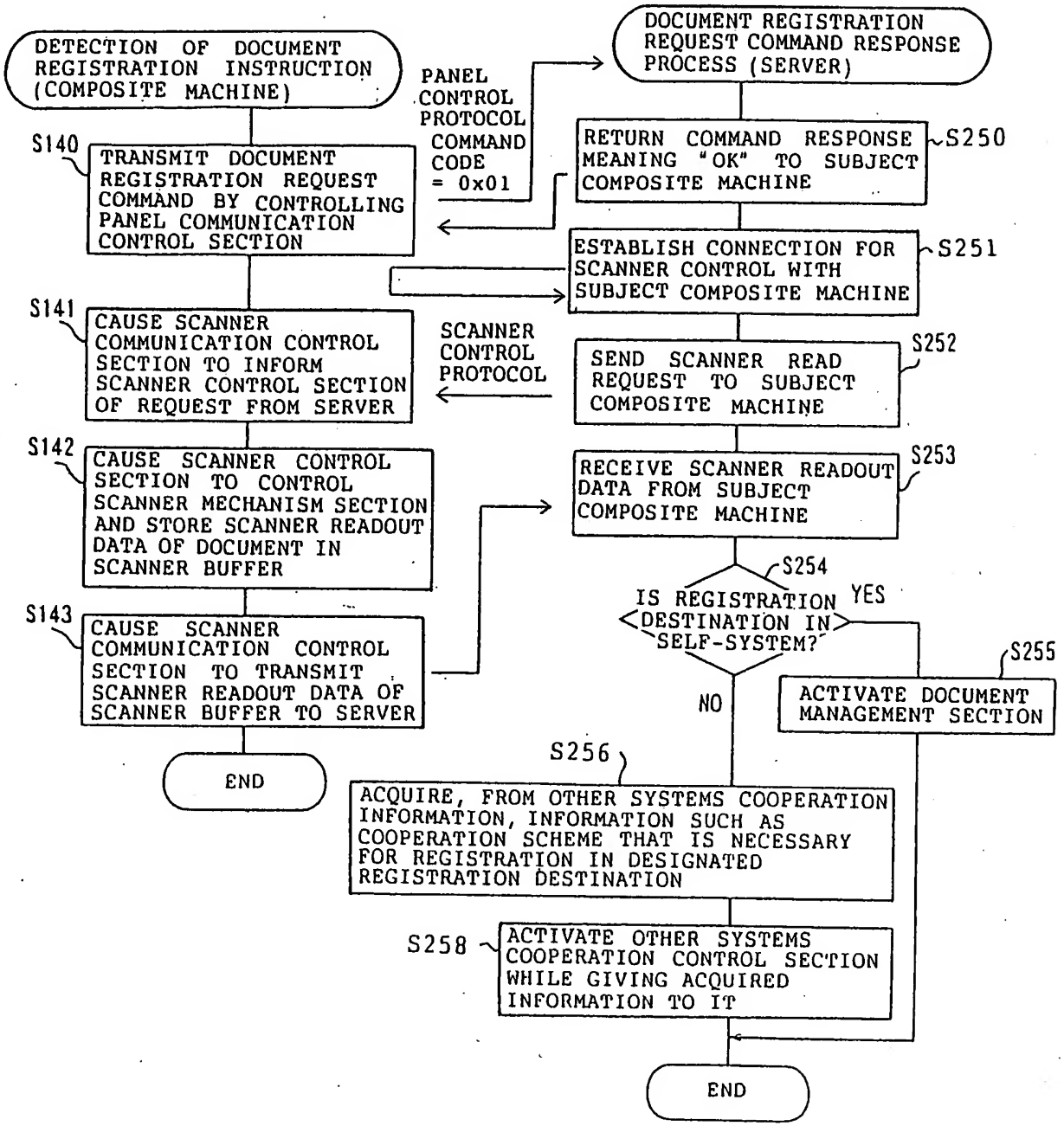

DETECTION OF DOCUMENT REGISTRATION INSTRUCTION (COMPOSITE MACHINE)
S140
TRANSMIT DOCUMENT REGISTRATION REQUEST COMMAND BY CONTROLLING PANEL COMMUNICATION CONTROL SECTION
PANEL CONTROL PROTOCOL COMMAND CODE = 0x01
DOCUMENT REGISTRATION REQUEST COMMAND RESPONSE PROCESS (SERVER)
RETURN COMMAND RESPONSE MEANING "OK" TO SUBJECT COMPOSITE MACHINE
S250
ESTABLISH CONNECTION FOR SCANNER CONTROL WITH SUBJECT COMPOSITE MACHINE
S251
S141
CAUSE SCANNER COMMUNICATION CONTROL SECTION TO INFORM SCANNER CONTROL SECTION OF REQUEST FROM SERVER
SCANNER CONTROL PROTOCOL
SEND SCANNER READ REQUEST TO SUBJECT COMPOSITE MACHINE
S252
S142
CAUSE SCANNER CONTROL SECTION TO CONTROL SCANNER MECHANISM SECTION AND STORE SCANNER READOUT DATA OF DOCUMENT IN SCANNER BUFFER
RECEIVE SCANNER READOUT DATA FROM SUBJECT COMPOSITE MACHINE
S253
S254
IS REGISTRATION DESTINATION IN SELF-SYSTEM?
YES
S143
CAUSE SCANNER COMMUNICATION CONTROL SECTION TO TRANSMIT SCANNER READOUT DATA OF SCANNER BUFFER TO SERVER
S255
ACTIVATE DOCUMENT MANAGEMENT SECTION
NO
S256
ACQUIRE, FROM OTHER SYSTEMS COOPERATION INFORMATION, INFORMATION SUCH AS COOPERATION SCHEME THAT IS NECESSARY FOR REGISTRATION IN DESIGNATED REGISTRATION DESTINATION
S258
ACTIVATE OTHER SYSTEMS COOPERATION CONTROL SECTION WHILE GIVING ACQUIRED INFORMATION TO IT
END
END

FIG. 17

FIG. 18

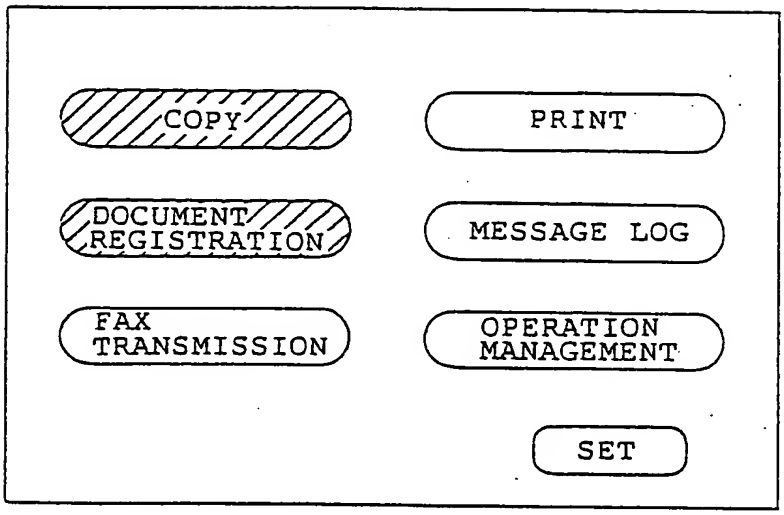

COPY
PRINT
DOCUMENT REGISTRATION
MESSAGE LOG
FAX TRANSMISSION
OPERATION MANAGEMENT
SET

FIG. 19

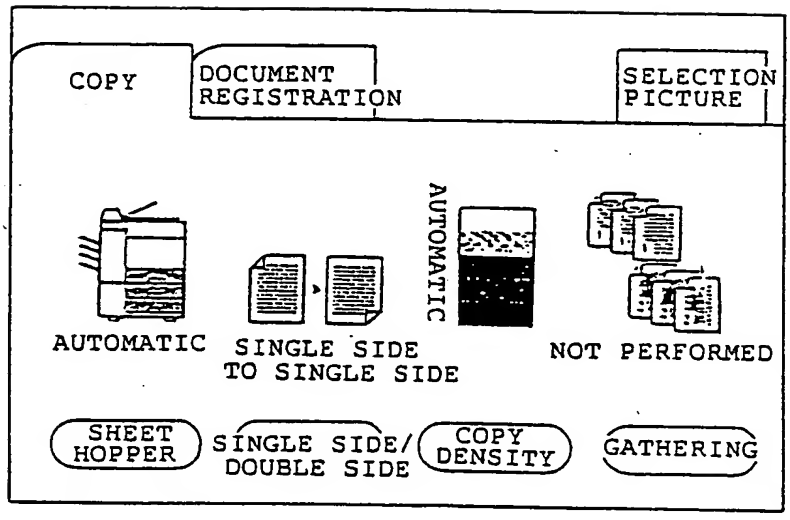

COPY
DOCUMENT REGISTRATION
SELECTION PICTURE
AUTOMATIC
SINGLE SIDE TO SINGLE SIDE
AUTOMATIC
NOT PERFORMED
SHEET HOPPER
SINGLE SIDE/ DOUBLE SIDE
COPY DENSITY
GATHERING

FIG. 20

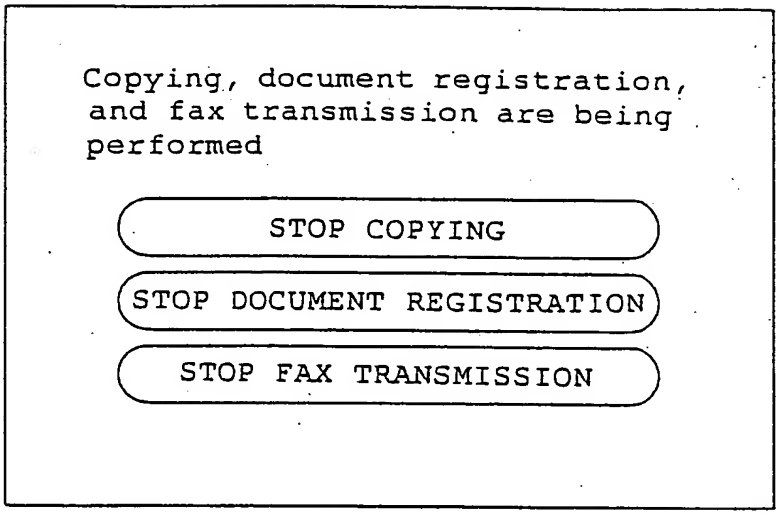

Copying, document registration, and fax transmission are being performed
STOP COPYING
STOP DOCUMENT REGISTRATION
STOP FAX TRANSMISSION

FIG. 21

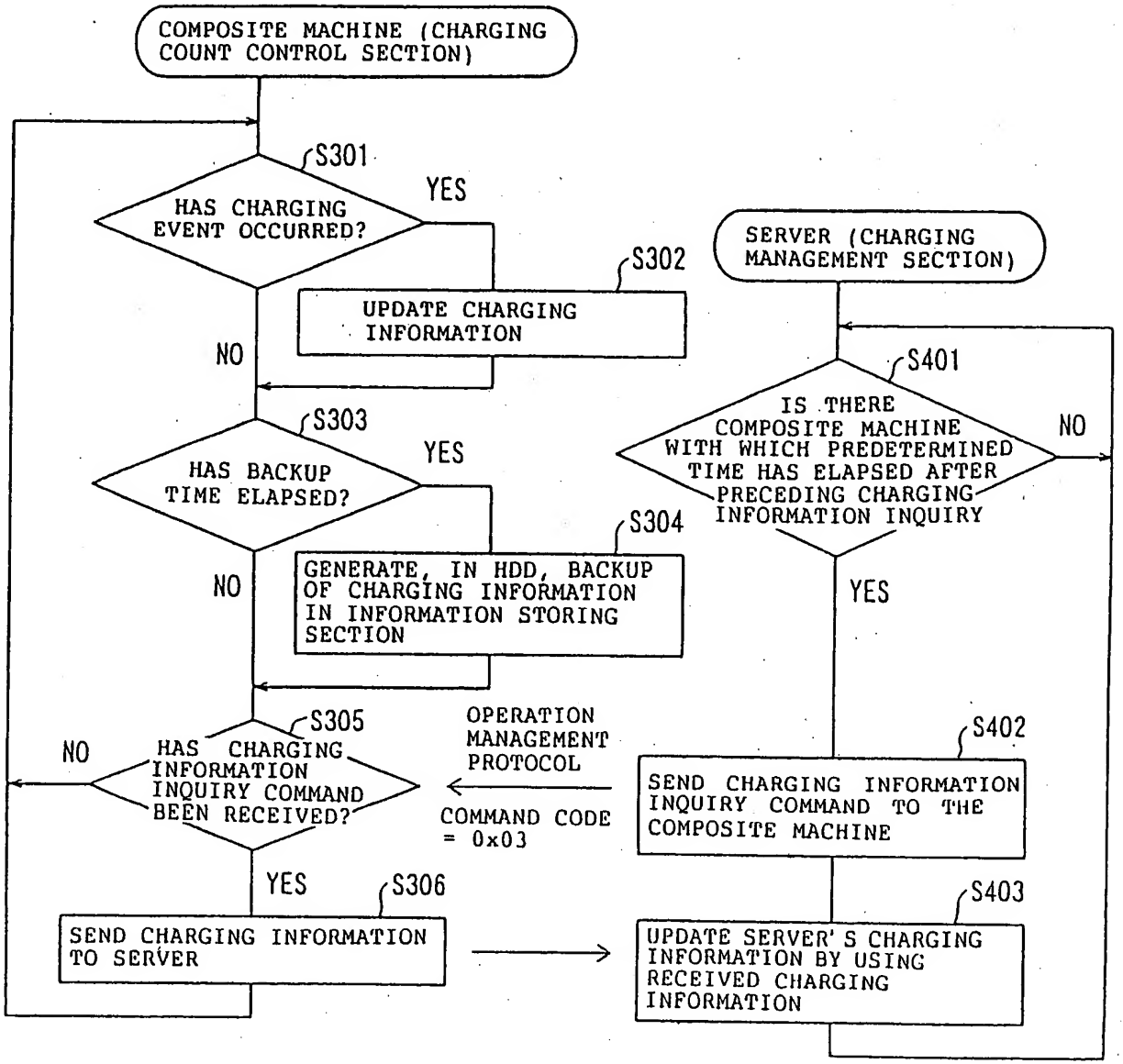

COMPOSITE MACHINE (CHARGING COUNT CONTROL SECTION)
S301
HAS CHARGING EVENT OCCURRED?
YES
S302
UPDATE CHARGING INFORMATION
NO
S303
HAS BACKUP TIME ELAPSED?
YES
S304
GENERATE, IN HDD, BACKUP OF CHARGING INFORMATION IN INFORMATION STORING SECTION
NO
S305
HAS CHARGING INFORMATION INQUIRY COMMAND BEEN RECEIVED?
NO
YES
S306
SEND CHARGING INFORMATION TO SERVER
OPERATION MANAGEMENT PROTOCOL
COMMAND CODE = 0x03
SERVER (CHARGING MANAGEMENT SECTION)
S401
IS THERE COMPOSITE MACHINE WITH WHICH PREDETERMINED TIME HAS ELAPSED AFTER PRECEDING CHARGING INFORMATION INQUIRY
NO
YES
S402
SEND CHARGING INFORMATION INQUIRY COMMAND TO THE COMPOSITE MACHINE
S403
UPDATE SERVER'S CHARGING INFORMATION BY USING RECEIVED CHARGING INFORMATION

FIG. 22

		SHEET SIZE					
		A 3	A 4	A 5	B 3	B 4	LETTER
PRINT	SINGLE SIDE	0	1000	0	100	0	0
	DOUBLE SIDE	0	50	0	200	0	0
FAX	SINGLE SIDE	10	50	0	50	0	0
	DOUBLE SIDE	11	100	0	50	0	0
COPY	SINGLE SIDE	0	20	0	200	0	0
	DOUBLE SIDE	5	50	0	400	0	0

FIG. 23

COMPOSITE MACHINE	DATE	COPY			PRINT			FAX		
		A3-SINGLE SIDE	A3-DOUBLE SIDE	...	A3-SINGLE SIDE	A3-DOUBLE SIDE	...	A3-SINGLE SIDE	A3-DOUBLE SIDE	...
1										
1										
1										
2										
2										
n										
n										
n										

FIG. 24

COMMAND BODY :

```
CHARGE                          (KIND OF COMMAND: CHARGING INFORMATION
                                 NOTIFICATION REQUEST)
TERM  =1998/1/1-1998/3/31       (ADDING-UP TERM DESIGNATION INFORMATION)
REPLY=MAIL                      (REPLY COOPERATION SCHEME DESIGNATION INFORMATION)
[EOF]                           (END OF FILE)
```

COMMAND RESPONSE BODY :

```
CHARGE
TERM=1998/1/1-1998/3/31
<SEPARATOR INDICATING THAT MIME ATTACHMENT FILE IS ADDED>
TABULAR FILE OF CHARGING INFORMATION
[EOF]
```

FIG. 25

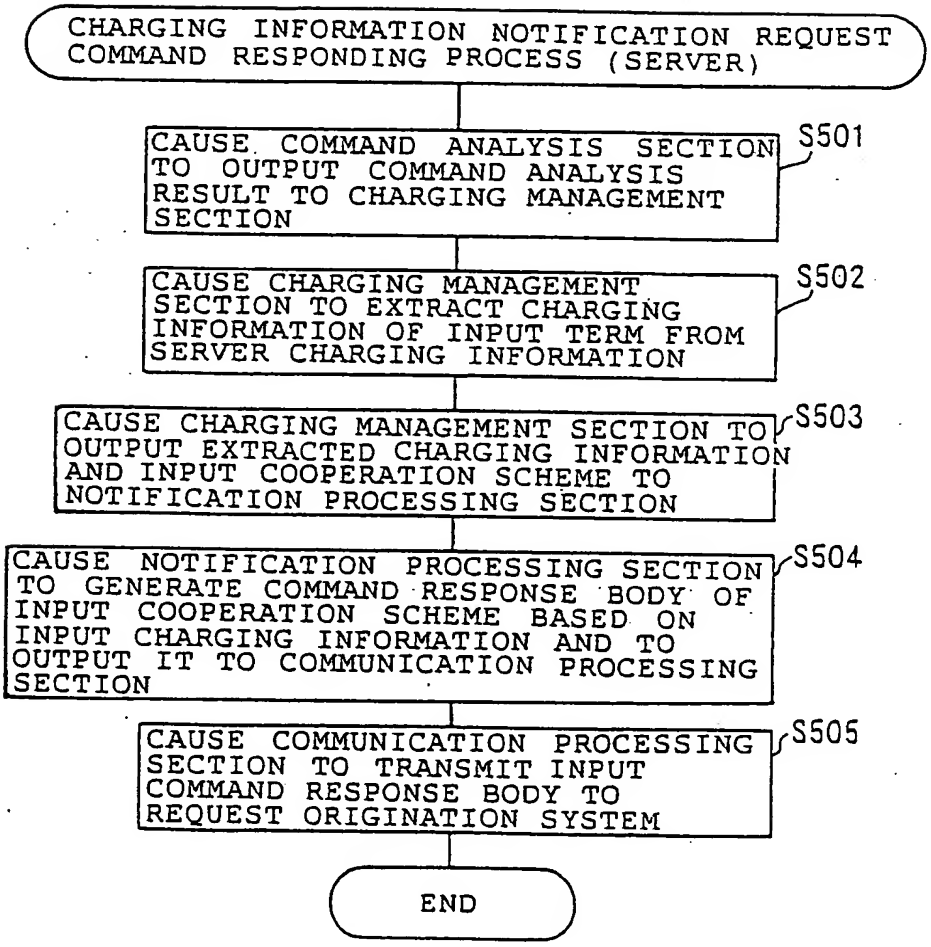

CHARGING INFORMATION NOTIFICATION REQUEST COMMAND RESPONDING PROCESS (SERVER)
CAUSE COMMAND ANALYSIS SECTION TO OUTPUT COMMAND ANALYSIS RESULT TO CHARGING MANAGEMENT SECTION
S501
CAUSE CHARGING MANAGEMENT SECTION TO EXTRACT CHARGING INFORMATION OF INPUT TERM FROM SERVER CHARGING INFORMATION
S502
CAUSE CHARGING MANAGEMENT SECTION TO OUTPUT EXTRACTED CHARGING INFORMATION AND INPUT COOPERATION SCHEME TO NOTIFICATION PROCESSING SECTION
S503
CAUSE NOTIFICATION PROCESSING SECTION TO GENERATE COMMAND RESPONSE BODY OF INPUT COOPERATION SCHEME BASED ON INPUT CHARGING INFORMATION AND TO OUTPUT IT TO COMMUNICATION PROCESSING SECTION
S504
CAUSE COMMUNICATION PROCESSING SECTION TO TRANSMIT INPUT COMMAND RESPONSE BODY TO REQUEST ORIGINATION SYSTEM
S505
END

FIG. 26

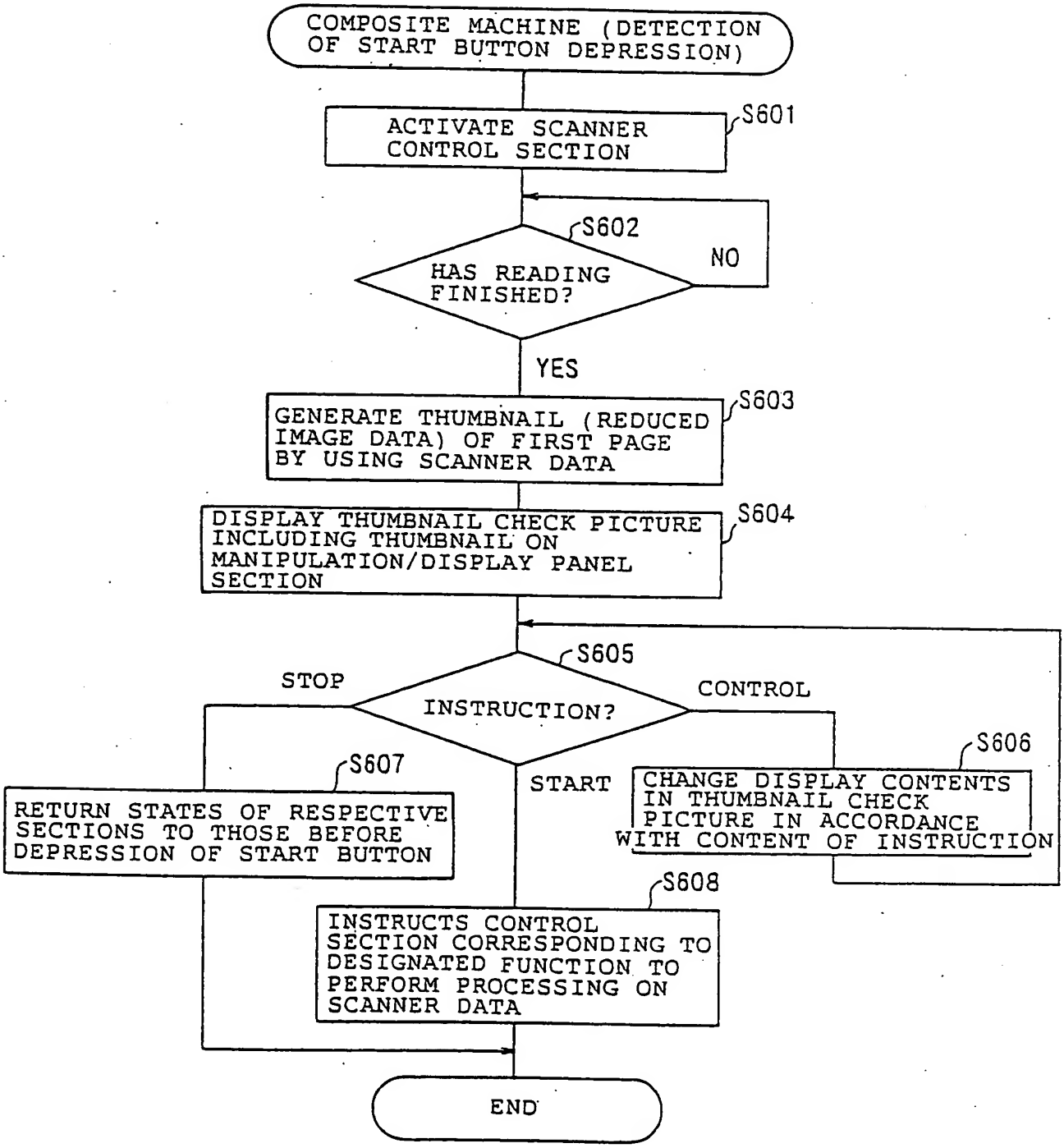

COMPOSITE MACHINE (DETECTION OF START BUTTON DEPRESSION)
ACTIVATE SCANNER CONTROL SECTION
S601
S602
HAS READING FINISHED?
NO
YES
GENERATE THUMBNAIL (REDUCED IMAGE DATA) OF FIRST PAGE BY USING SCANNER DATA
S603
DISPLAY THUMBNAIL CHECK PICTURE INCLUDING THUMBNAIL ON MANIPULATION/DISPLAY PANEL SECTION
S604
S605
STOP
INSTRUCTION?
CONTROL
START
S606
CHANGE DISPLAY CONTENTS IN THUMBNAIL CHECK PICTURE IN ACCORDANCE WITH CONTENT OF INSTRUCTION
S607
RETURN STATES OF RESPECTIVE SECTIONS TO THOSE BEFORE DEPRESSION OF START BUTTON
S608
INSTRUCTS CONTROL SECTION CORRESPONDING TO DESIGNATED FUNCTION TO PERFORM PROCESSING ON SCANNER DATA
END

FIG. 27

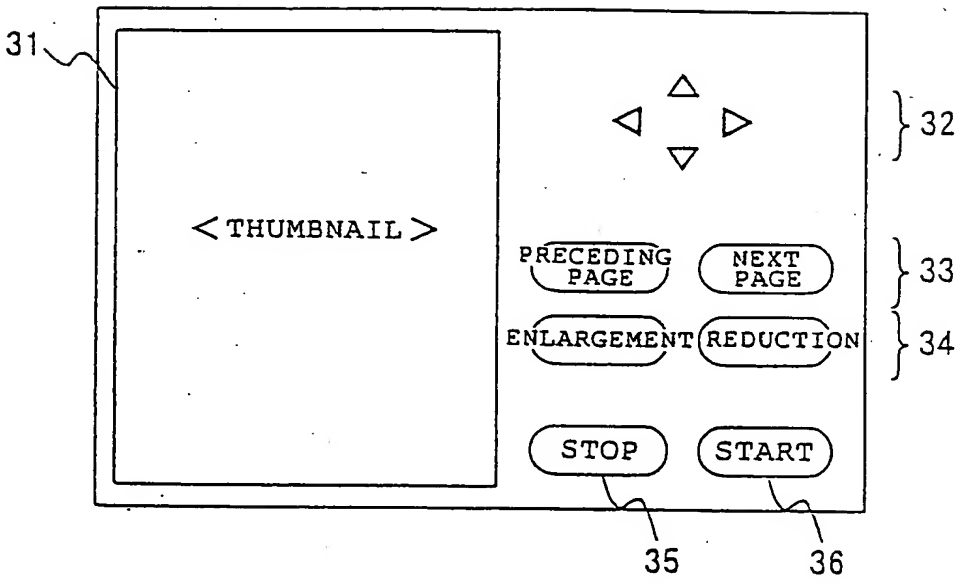

31
<THUMBNAIL>
32
PRECEDING PAGE
NEXT PAGE
33
ENLARGEMENT
REDUCTION
34
STOP
START
35
36

FIG. 28

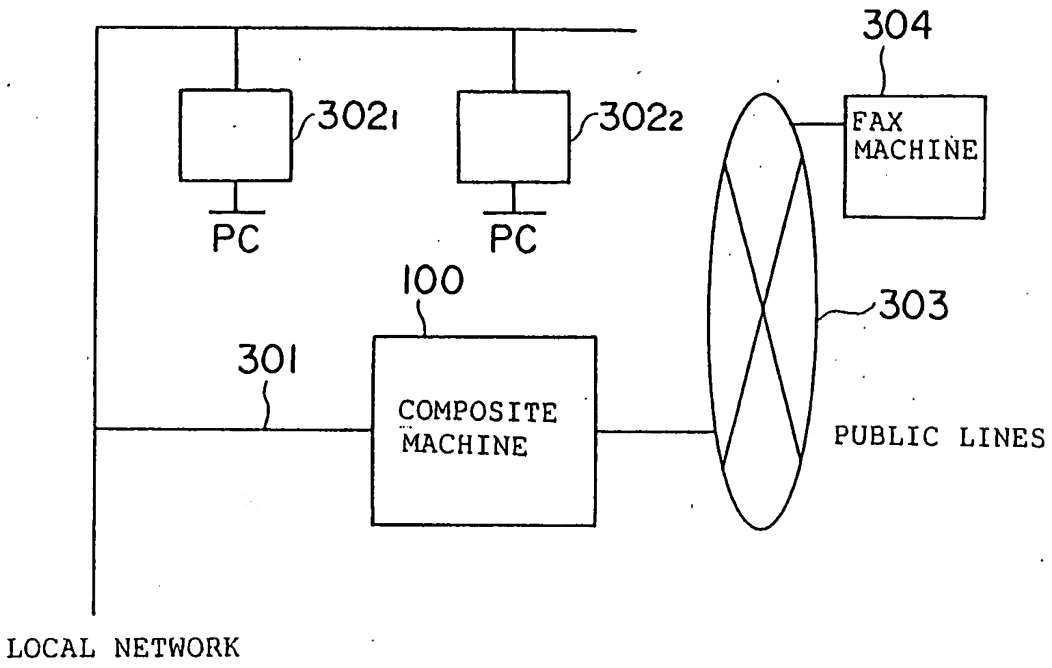

304
FAX MACHINE
302₁
302₂
PC
PC
100
303
301
COMPOSITE MACHINE
PUBLIC LINES
LOCAL NETWORK

FIG. 29

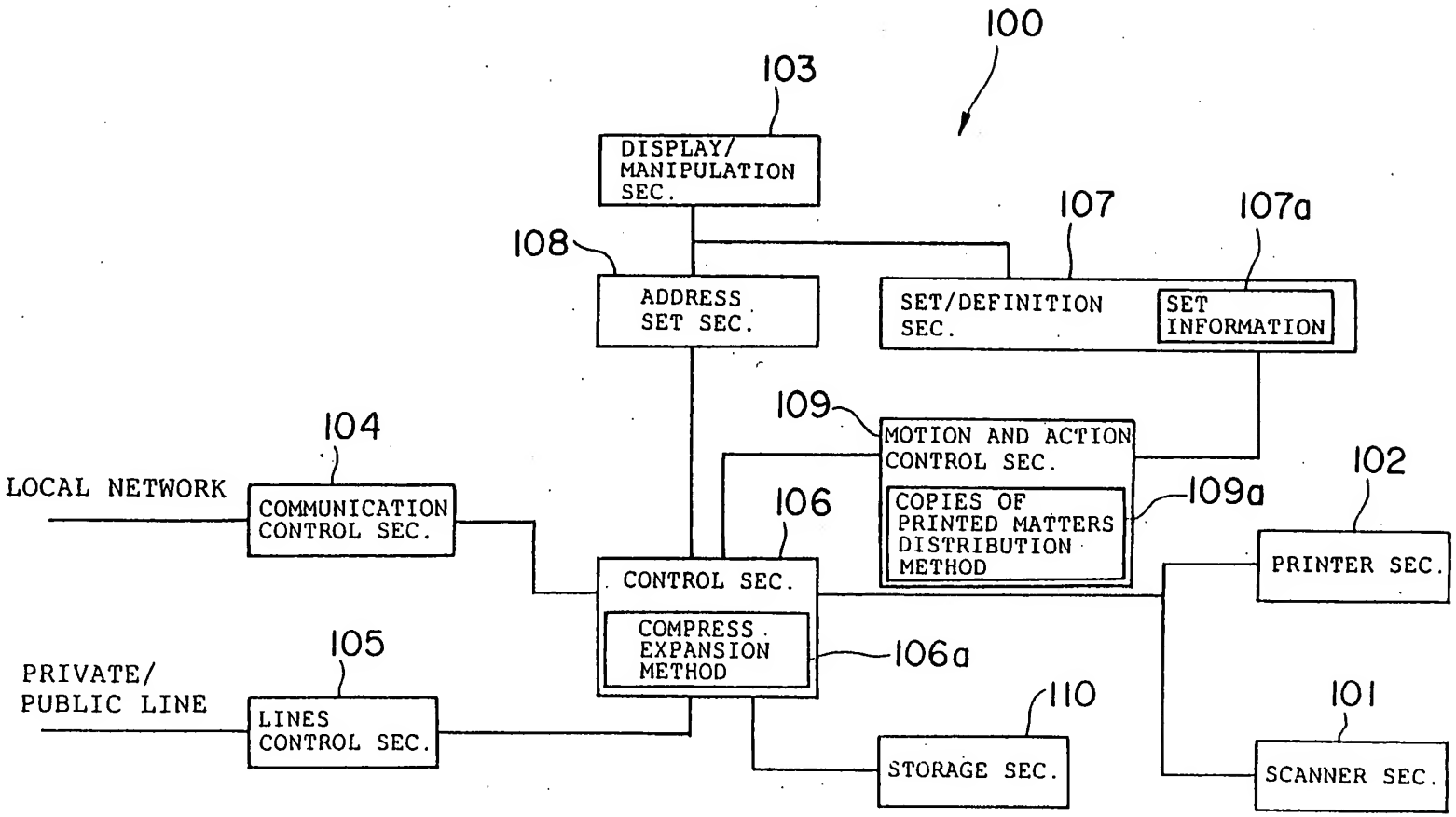

100
103
DISPLAY/
MANIPULATION
SEC.
107
107a
108
ADDRESS
SET SEC.
SET/DEFINITION
SEC.
SET
INFORMATION
109
MOTION AND ACTION
CONTROL SEC.
104
102
LOCAL NETWORK
COMMUNICATION
CONTROL SEC.
106
COPIES OF
PRINTED MATTERS
DISTRIBUTION
METHOD
109a
PRINTER SEC.
CONTROL SEC.
COMPRESS.
EXPANSION
METHOD
106a
105
PRIVATE/
PUBLIC LINE
LINES
CONTROL SEC.
110
101
STORAGE SEC.
SCANNER SEC.

FIG. 30

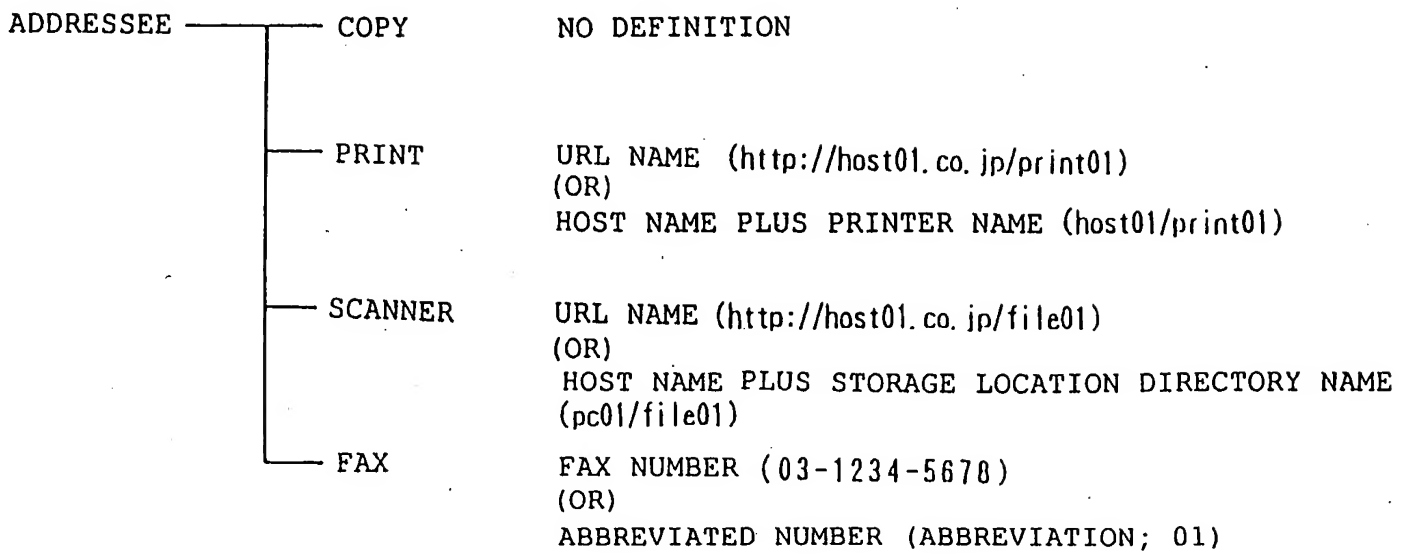

ADDRESSEE
COPY
NO DEFINITION
PRINT
URL NAME (http://host01.co.jp/print01)
(OR)
HOST NAME PLUS PRINTER NAME (host01/print01)
SCANNER
URL NAME (http://host01.co.jp/file01)
(OR)
HOST NAME PLUS STORAGE LOCATION DIRECTORY NAME
(pc01/file01)
FAX
FAX NUMBER (03-1234-5678)
(OR)
ABBREVIATED NUMBER (ABBREVIATION; 01)

FIG. 31

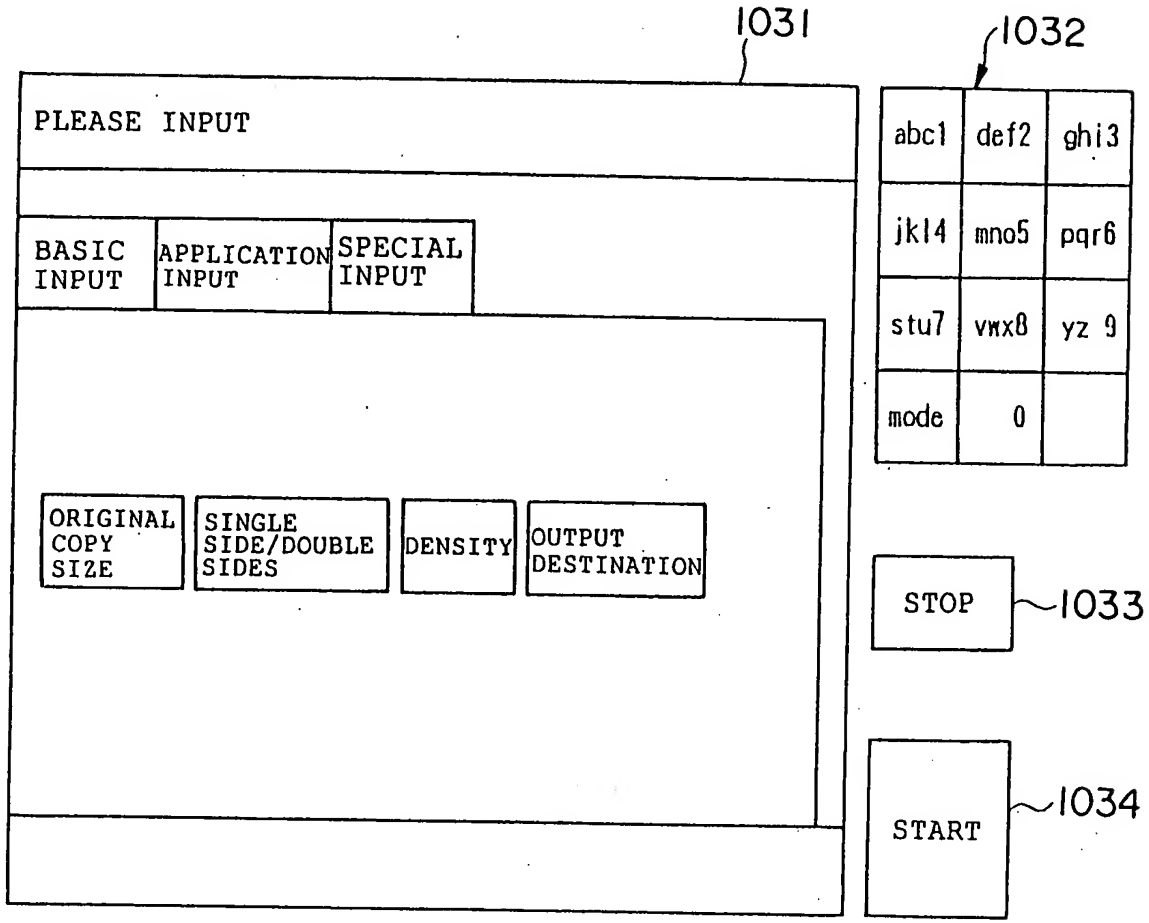

1031
1032
PLEASE INPUT
BASIC INPUT
APPLICATION INPUT
SPECIAL INPUT
ORIGINAL COPY SIZE
SINGLE SIDE/DOUBLE SIDES
DENSITY
OUTPUT DESTINATION
abc1
def2
ghi3
jkl4
mno5
pqr6
stu7
vwx8
yz 9
mode
0
STOP
1033
START
1034

FIG. 32

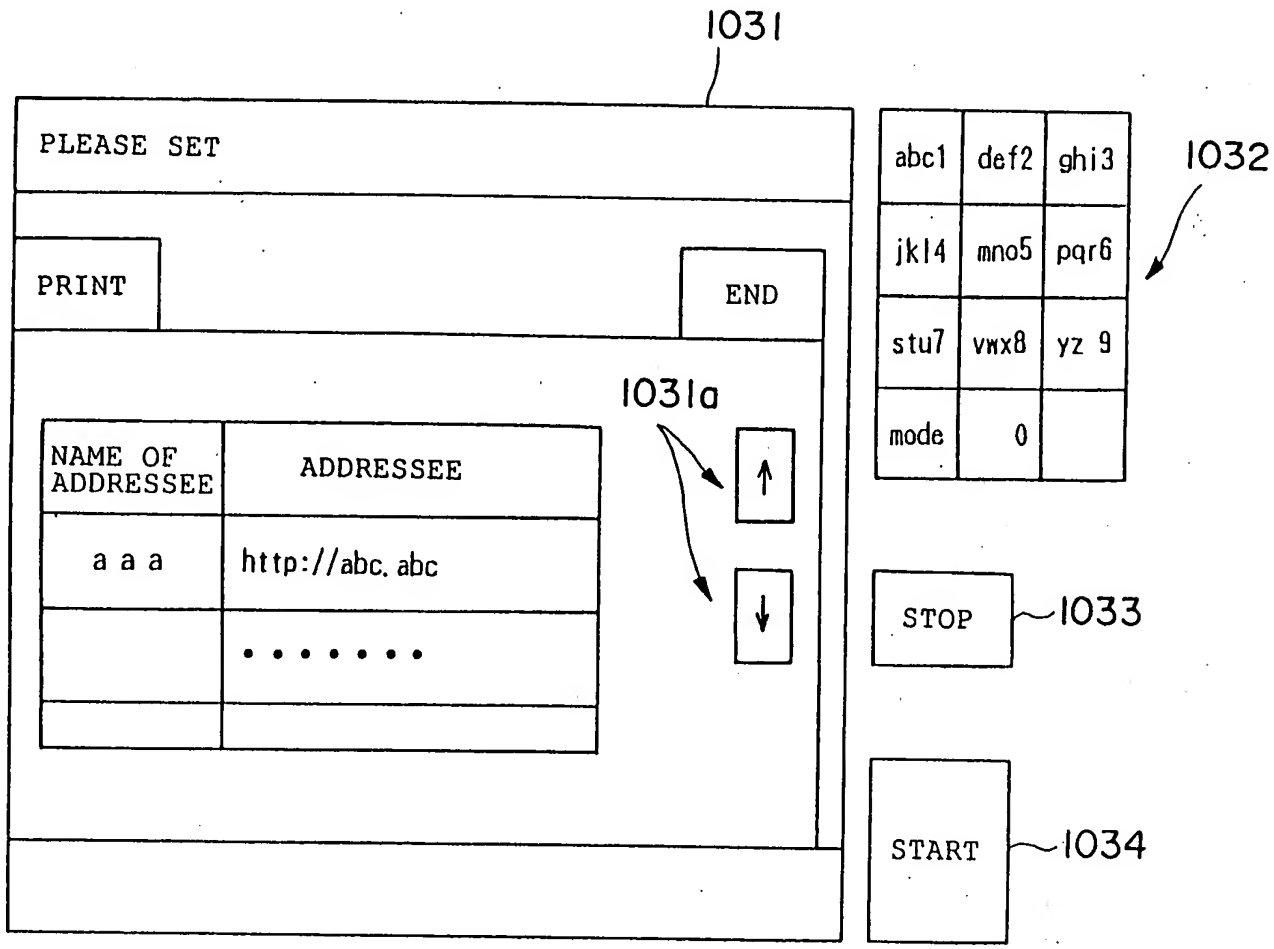

1031
PLEASE SET
PRINT
END
1031a
NAME OF ADDRESSEE
ADDRESSEE
a a a
http://abc.abc
abc1
def2
ghi3
jkl4
mno5
pqr6
stu7
vwx8
yz 9
mode
0
1032
STOP
1033
START
1034

FIG. 33

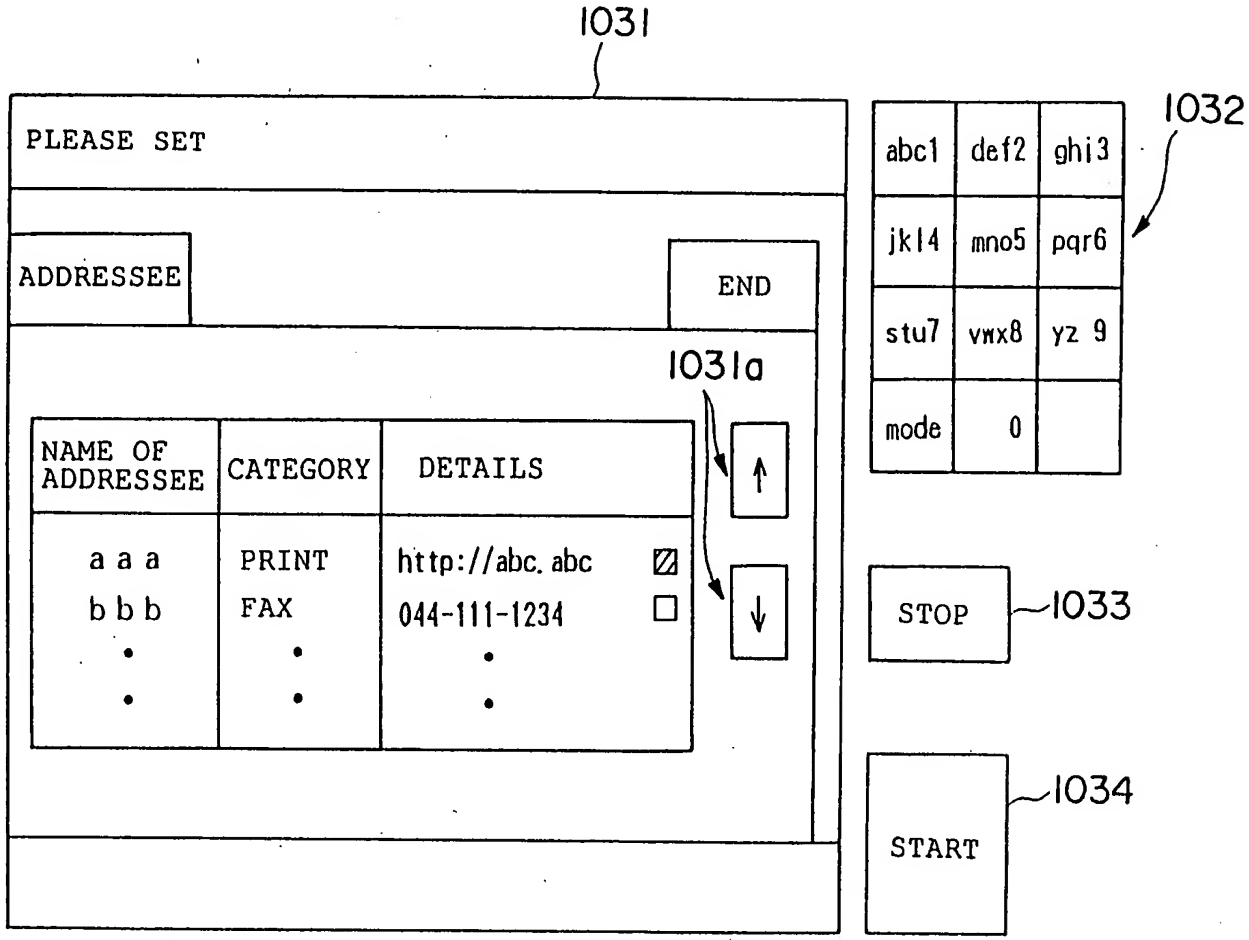

1031
PLEASE SET
ADDRESSEE
END
1031a
NAME OF ADDRESSEE
CATEGORY
DETAILS
a a a
PRINT
http://abc.abc
b b b
FAX
044-111-1234
abc1
def2
ghi3
jkl4
mno5
pqr6
stu7
vwx8
yz 9
mode
0
1032
STOP
1033
START
1034

FIG. 34

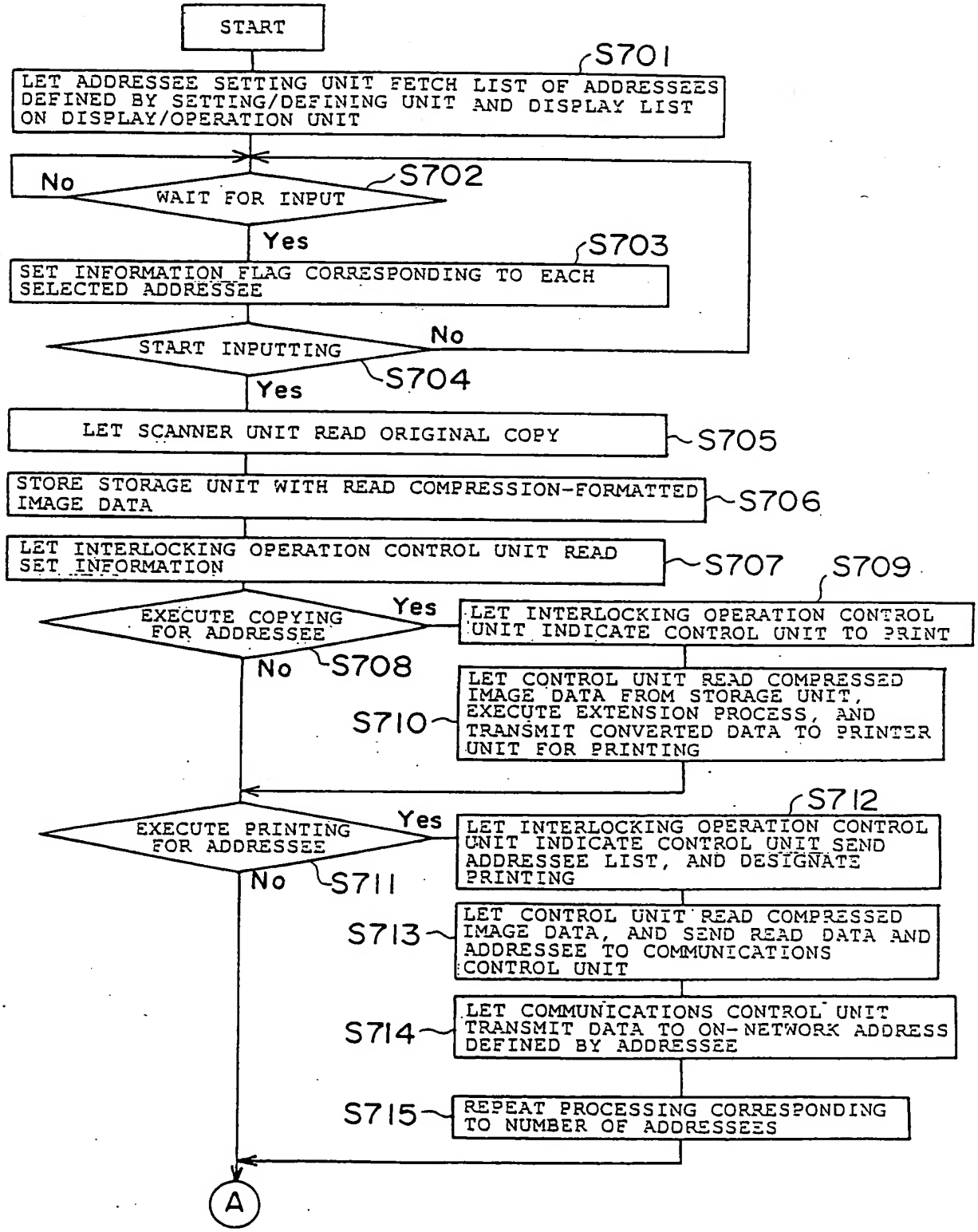

START
S701
LET ADDRESSEE SETTING UNIT FETCH LIST OF ADDRESSEES DEFINED BY SETTING/DEFINING UNIT AND DISPLAY LIST ON DISPLAY/OPERATION UNIT
No
WAIT FOR INPUT
S702
Yes
S703
SET INFORMATION FLAG CORRESPONDING TO EACH SELECTED ADDRESSEE
START INPUTTING
No
S704
Yes
LET SCANNER UNIT READ ORIGINAL COPY
S705
STORE STORAGE UNIT WITH READ COMPRESSION-FORMATTED IMAGE DATA
S706
LET INTERLOCKING OPERATION CONTROL UNIT READ SET INFORMATION
S707
S709
EXECUTE COPYING FOR ADDRESSEE
Yes
LET INTERLOCKING OPERATION CONTROL UNIT INDICATE CONTROL UNIT TO PRINT
No
S708
LET CONTROL UNIT READ COMPRESSED IMAGE DATA FROM STORAGE UNIT, EXECUTE EXTENSION PROCESS, AND TRANSMIT CONVERTED DATA TO PRINTER UNIT FOR PRINTING
S710
S712
EXECUTE PRINTING FOR ADDRESSEE
Yes
LET INTERLOCKING OPERATION CONTROL UNIT INDICATE CONTROL UNIT SEND ADDRESSEE LIST, AND DESIGNATE PRINTING
No
S711
LET CONTROL UNIT READ COMPRESSED IMAGE DATA, AND SEND READ DATA AND ADDRESSEE TO COMMUNICATIONS CONTROL UNIT
S713
LET COMMUNICATIONS CONTROL UNIT TRANSMIT DATA TO ON-NETWORK ADDRESS DEFINED BY ADDRESSEE
S714
REPEAT PROCESSING CORRESPONDING TO NUMBER OF ADDRESSEES
S715
A

FIG. 35

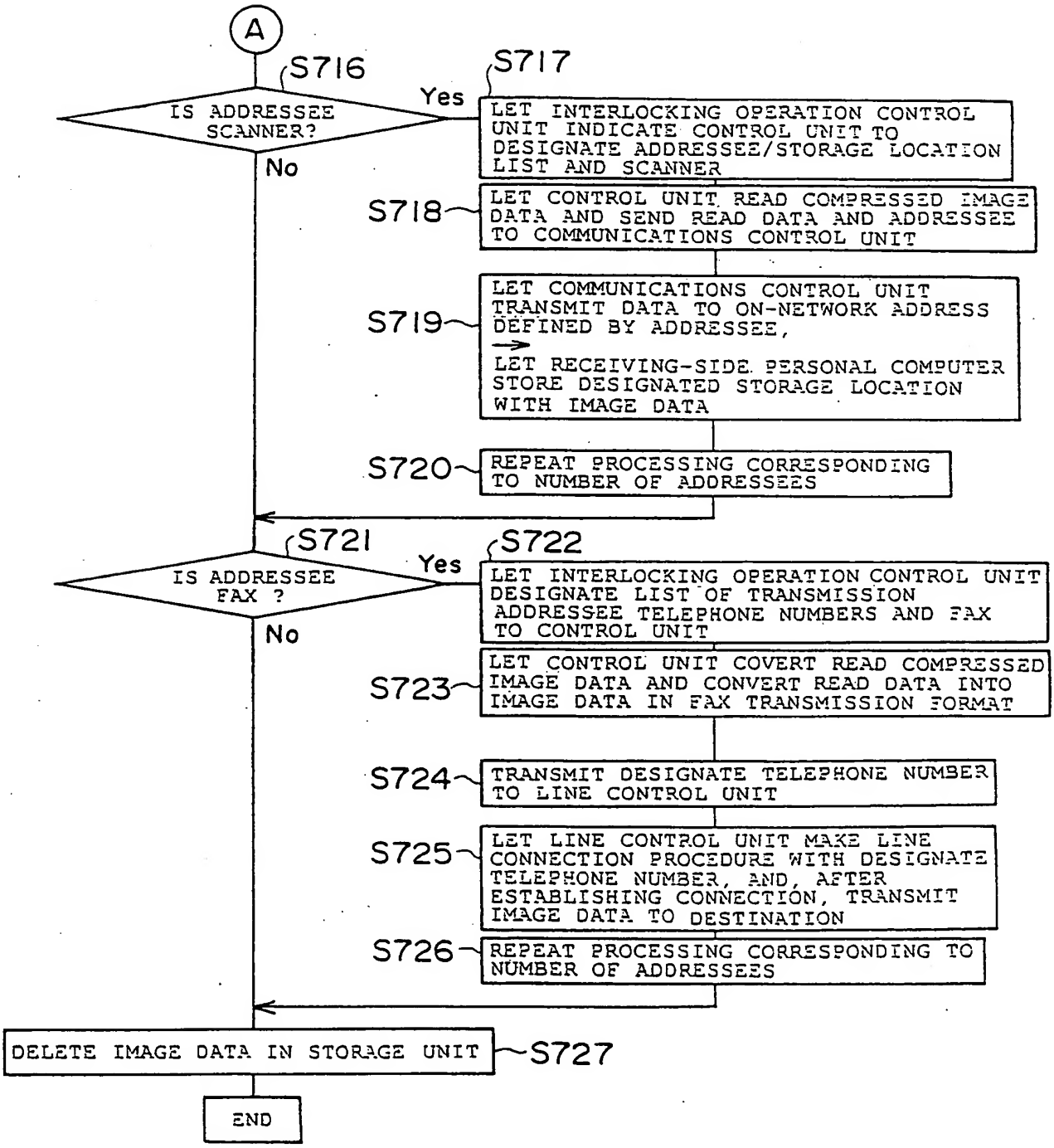

A
S716
IS ADDRESSEE SCANNER?
Yes
No
S717
LET INTERLOCKING OPERATION CONTROL UNIT INDICATE CONTROL UNIT TO DESIGNATE ADDRESSEE/STORAGE LOCATION LIST AND SCANNER
S718
LET CONTROL UNIT READ COMPRESSED IMAGE DATA AND SEND READ DATA AND ADDRESSEE TO COMMUNICATIONS CONTROL UNIT
S719
LET COMMUNICATIONS CONTROL UNIT TRANSMIT DATA TO ON-NETWORK ADDRESS DEFINED BY ADDRESSEE,
→
LET RECEIVING-SIDE PERSONAL COMPUTER STORE DESIGNATED STORAGE LOCATION WITH IMAGE DATA
S720
REPEAT PROCESSING CORRESPONDING TO NUMBER OF ADDRESSEES
S721
IS ADDRESSEE FAX ?
Yes
No
S722
LET INTERLOCKING OPERATION CONTROL UNIT DESIGNATE LIST OF TRANSMISSION ADDRESSEE TELEPHONE NUMBERS AND FAX TO CONTROL UNIT
S723
LET CONTROL UNIT COVERT READ COMPRESSED IMAGE DATA AND CONVERT READ DATA INTO IMAGE DATA IN FAX TRANSMISSION FORMAT
S724
TRANSMIT DESIGNATE TELEPHONE NUMBER TO LINE CONTROL UNIT
S725
LET LINE CONTROL UNIT MAKE LINE CONNECTION PROCEDURE WITH DESIGNATE TELEPHONE NUMBER, AND, AFTER ESTABLISHING CONNECTION, TRANSMIT IMAGE DATA TO DESTINATION
S726
REPEAT PROCESSING CORRESPONDING TO NUMBER OF ADDRESSEES
DELETE IMAGE DATA IN STORAGE UNIT
S727
END

FIG. 36

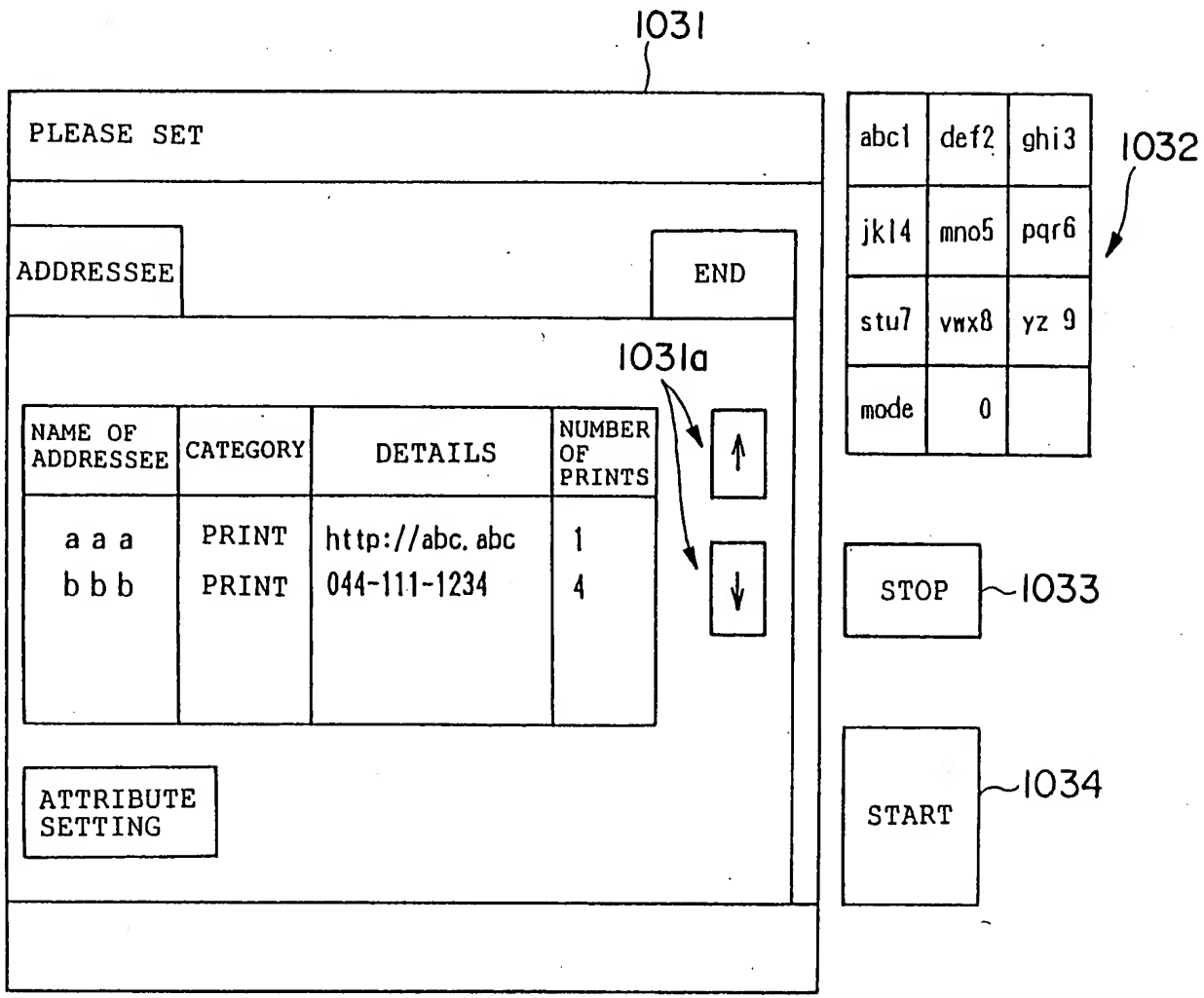

1031
PLEASE SET
ADDRESSEE
END
1031a
NAME OF ADDRESSEE
CATEGORY
DETAILS
NUMBER OF PRINTS
a a a
PRINT
http://abc.abc
1
b b b
PRINT
044-111-1234
4
ATTRIBUTE SETTING
abc1
def2
ghi3
jkl4
mno5
pqr6
stu7
vwx8
yz 9
mode
0
1032
STOP
1033
START
1034

FIG. 37

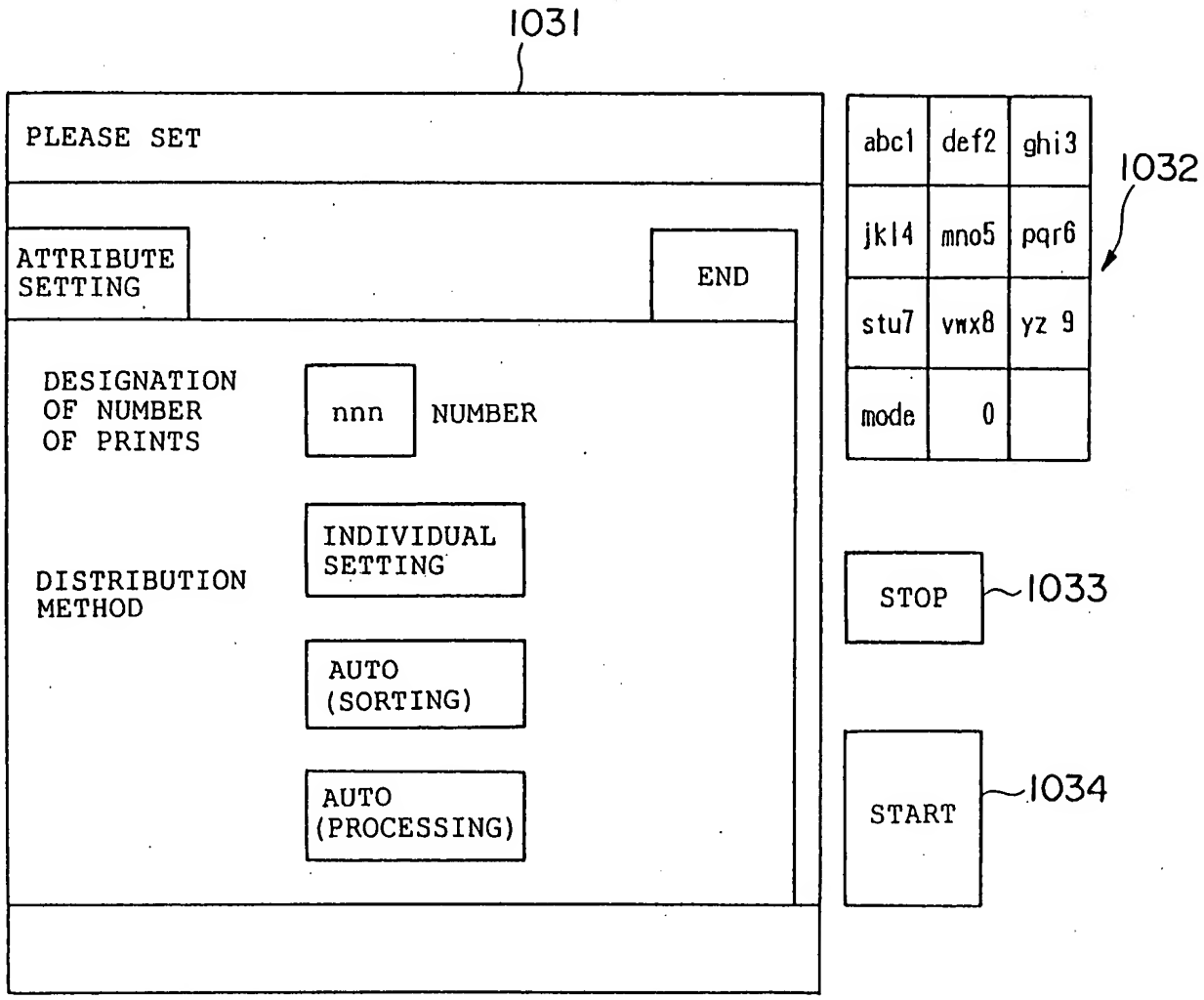

1031
PLEASE SET
ATTRIBUTE SETTING
END
DESIGNATION OF NUMBER OF PRINTS
nnn
NUMBER
DISTRIBUTION METHOD
INDIVIDUAL SETTING
AUTO (SORTING)
AUTO (PROCESSING)
abc1
def2
ghi3
jkl4
mno5
pqr6
stu7
vwx8
yz 9
mode
0
1032
STOP
1033
START
1034

FIG. 38

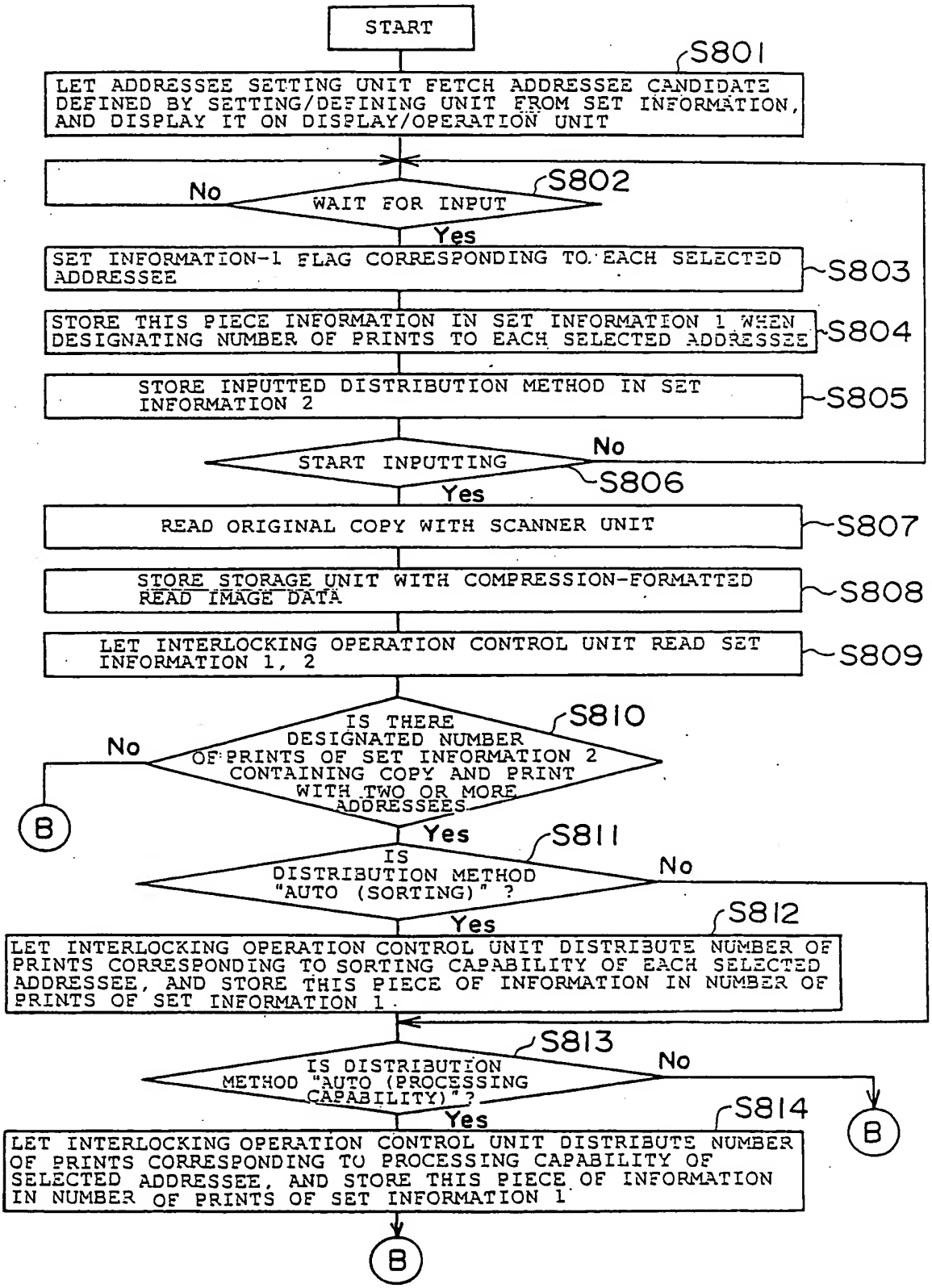

START
S801
LET ADDRESSEE SETTING UNIT FETCH ADDRESSEE CANDIDATE DEFINED BY SETTING/DEFINING UNIT FROM SET INFORMATION, AND DISPLAY IT ON DISPLAY/OPERATION UNIT
S802
No
WAIT FOR INPUT
Yes
SET INFORMATION-1 FLAG CORRESPONDING TO EACH SELECTED ADDRESSEE
S803
STORE THIS PIECE INFORMATION IN SET INFORMATION 1 WHEN DESIGNATING NUMBER OF PRINTS TO EACH SELECTED ADDRESSEE
S804
STORE INPUTTED DISTRIBUTION METHOD IN SET INFORMATION 2
S805
START INPUTTING
No
S806
Yes
READ ORIGINAL COPY WITH SCANNER UNIT
S807
STORE STORAGE UNIT WITH COMPRESSION-FORMATTED READ IMAGE DATA
S808
LET INTERLOCKING OPERATION CONTROL UNIT READ SET INFORMATION 1, 2
S809
S810
IS THERE DESIGNATED NUMBER OF PRINTS OF SET INFORMATION 2 CONTAINING COPY AND PRINT WITH TWO OR MORE ADDRESSEES
No
B
Yes
S811
IS DISTRIBUTION METHOD "AUTO (SORTING)" ?
No
Yes
S812
LET INTERLOCKING OPERATION CONTROL UNIT DISTRIBUTE NUMBER OF PRINTS CORRESPONDING TO SORTING CAPABILITY OF EACH SELECTED ADDRESSEE, AND STORE THIS PIECE OF INFORMATION IN NUMBER OF PRINTS OF SET INFORMATION 1
S813
IS DISTRIBUTION METHOD "AUTO (PROCESSING CAPABILITY)"?
No
B
Yes
S814
LET INTERLOCKING OPERATION CONTROL UNIT DISTRIBUTE NUMBER OF PRINTS CORRESPONDING TO PROCESSING CAPABILITY OF SELECTED ADDRESSEE, AND STORE THIS PIECE OF INFORMATION IN NUMBER OF PRINTS OF SET INFORMATION 1
B

FIG. 39

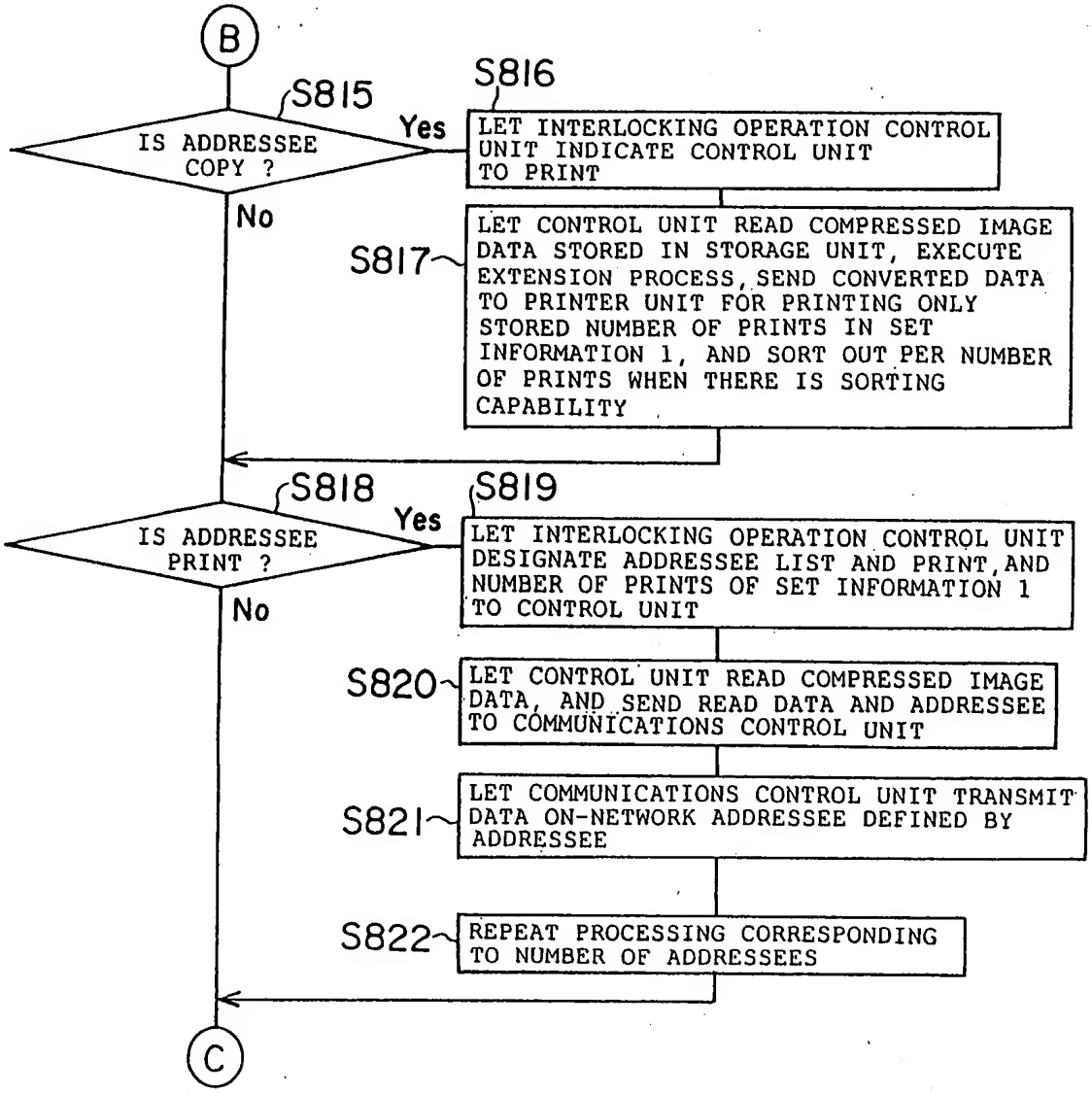

B
S815
IS ADDRESSEE COPY ?
Yes
No
S816
LET INTERLOCKING OPERATION CONTROL UNIT INDICATE CONTROL UNIT TO PRINT
S817
LET CONTROL UNIT READ COMPRESSED IMAGE DATA STORED IN STORAGE UNIT, EXECUTE EXTENSION PROCESS, SEND CONVERTED DATA TO PRINTER UNIT FOR PRINTING ONLY STORED NUMBER OF PRINTS IN SET INFORMATION 1, AND SORT OUT PER NUMBER OF PRINTS WHEN THERE IS SORTING CAPABILITY
S818
IS ADDRESSEE PRINT ?
Yes
No
S819
LET INTERLOCKING OPERATION CONTROL UNIT DESIGNATE ADDRESSEE LIST AND PRINT, AND NUMBER OF PRINTS OF SET INFORMATION 1 TO CONTROL UNIT
S820
LET CONTROL UNIT READ COMPRESSED IMAGE DATA, AND SEND READ DATA AND ADDRESSEE TO COMMUNICATIONS CONTROL UNIT
S821
LET COMMUNICATIONS CONTROL UNIT TRANSMIT DATA ON-NETWORK ADDRESSEE DEFINED BY ADDRESSEE
S822
REPEAT PROCESSING CORRESPONDING TO NUMBER OF ADDRESSEES
C

FIG. 40

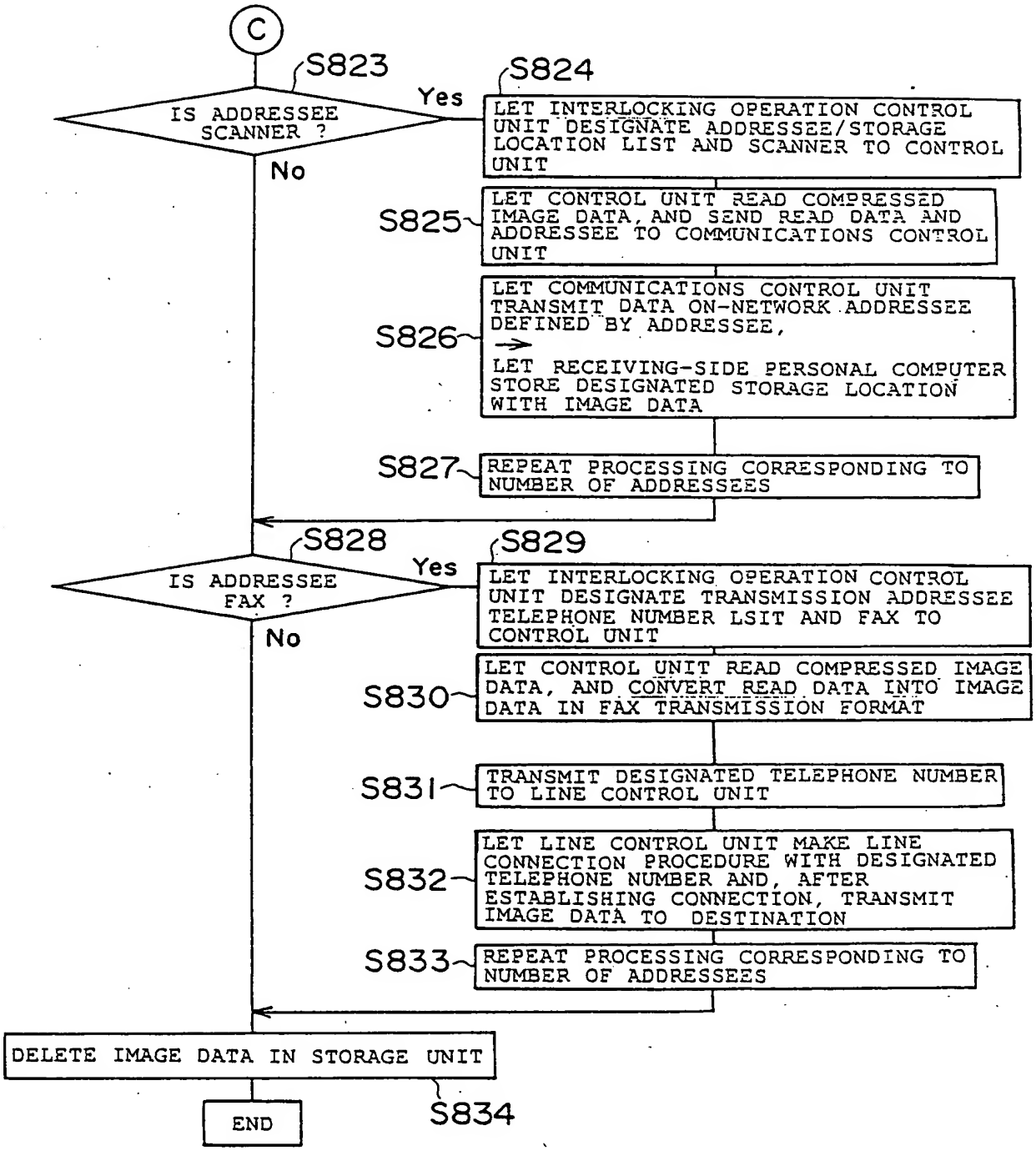
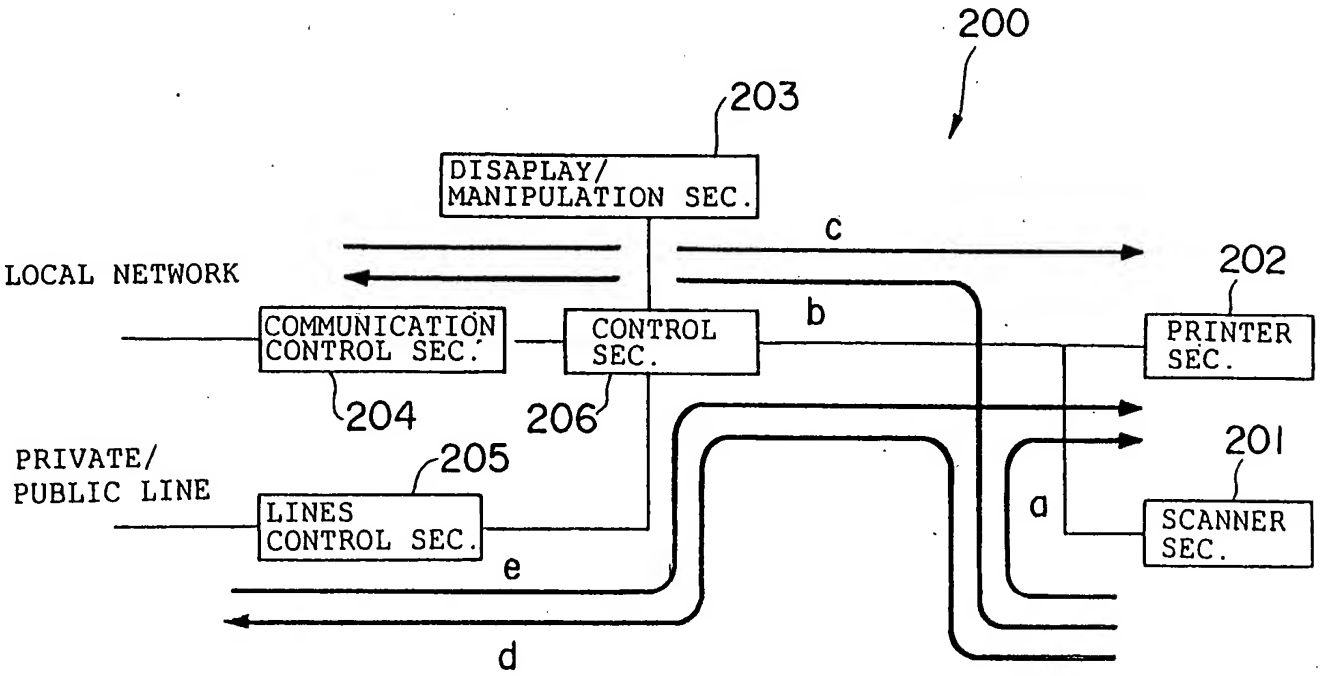

C
S823
IS ADDRESSEE SCANNER ?
Yes
No
S824
LET INTERLOCKING OPERATION CONTROL UNIT DESIGNATE ADDRESSEE/STORAGE LOCATION LIST AND SCANNER TO CONTROL UNIT
S825
LET CONTROL UNIT READ COMPRESSED IMAGE DATA, AND SEND READ DATA AND ADDRESSEE TO COMMUNICATIONS CONTROL UNIT
S826
LET COMMUNICATIONS CONTROL UNIT TRANSMIT DATA ON-NETWORK ADDRESSEE DEFINED BY ADDRESSEE,
→
LET RECEIVING-SIDE PERSONAL COMPUTER STORE DESIGNATED STORAGE LOCATION WITH IMAGE DATA
S827
REPEAT PROCESSING CORRESPONDING TO NUMBER OF ADDRESSEES
S828
IS ADDRESSEE FAX ?
Yes
No
S829
LET INTERLOCKING OPERATION CONTROL UNIT DESIGNATE TRANSMISSION ADDRESSEE TELEPHONE NUMBER LSIT AND FAX TO CONTROL UNIT
S830
LET CONTROL UNIT READ COMPRESSED IMAGE DATA, AND CONVERT READ DATA INTO IMAGE DATA IN FAX TRANSMISSION FORMAT
S831
TRANSMIT DESIGNATED TELEPHONE NUMBER TO LINE CONTROL UNIT
S832
LET LINE CONTROL UNIT MAKE LINE CONNECTION PROCEDURE WITH DESIGNATED TELEPHONE NUMBER AND, AFTER ESTABLISHING CONNECTION, TRANSMIT IMAGE DATA TO DESTINATION
S833
REPEAT PROCESSING CORRESPONDING TO NUMBER OF ADDRESSEES
DELETE IMAGE DATA IN STORAGE UNIT
S834
END

FIG. 41


200
203
DISAPLAY/
MANIPULATION SEC.
c
LOCAL NETWORK
202
COMMUNICATION
CONTROL SEC.
CONTROL
SEC.
b
PRINTER
SEC.
204
206
201
PRIVATE/
PUBLIC LINE
205
LINES
CONTROL SEC.
a
SCANNER
SEC.
e
d